

### Certificate

This is to certify that various departments of PITS (Aeronautical Engineering, Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, and Mechanical Engineering) have below mentioned **(Criterion 3.4.1)** collaborations / linkages for faculty exchange, internship, field trip, on job training and research/project work in the last five academic years.

Academic Year	No. of Linkages
2019-2020	1147
2018-2019	877
2017-2018	779
2016-2017	698
2015-2016	691
<b>Total</b>	<b>4192</b>

#### Evidences enclosed:

1. Internship certificates
2. Field Trip reports
3. Photo evidences

IQAC Coordinator

PARISUTHAM INSTITUTE  
OF TECHNOLOGY & SCIENCE  
KAMARAJ NAGAR,  
NH67 RING ROAD,  
THANJAVUR - 613 006 (TN)

Vice Principal

PARISUTHAM INSTITUTE  
OF TECHNOLOGY & SCIENCE  
KAMARAJ NAGAR,  
NH67 RING ROAD,  
THANJAVUR - 613 006 (TN)

Principal

Dr.J.NIRMALA, M.Tech., Ph.D.,  
Principal,  
Parisutham Institute of Technology & Science  
Thanjavur - 613 006.  
Tamilnadu, India.

## FIELD TRIP PHOTOS









# AGNI AERO-SPORTS ADVENTURE ACADEMY (AASAA) PVT. LTD.

Jakkur Aerodrome, 12th Km, Bellary Road,  
Bangalore - 560 064. INDIA  
Tel : +91-80-28560060, Fax : +91-80-28566250

REF: AASAA/CERT/TRNG/219-20/036B

DATE: 25<sup>th</sup> July 2019

## CERTIFICATE

This is to certify that the following students of PARISUTHAM INSTITUTE OF TECHNOLOGY & SCIENCE, THANJAVUR has visited our organization on 25<sup>th</sup> July 2019.

List of Students

S.No	D. No	NAME OF THE STUDENT
1	7001	GARBARAKASHA.S
2	7002	KARTHIKEYAN.S
3	7003	KIRAN ESWAR.K
4	7004	NIHIL.R
5	7005	PREETHI.M.V
6	7006	RAJAKUMARI.P
7	7007	SATHESWARAN.B
8	7008	SIDHARTHAN.E
9	7010	VIGNESHWARAN.K
10	7011	VIVEKANANDHAN.K
11	7012	YAGNESHWARAN.K

Place: Bengaluru

For Agni Aero Sports Adventure Academy  
(AASAA) Pvt Ltd

Authorised Signatory







# AGNI AERO-SPORTS ADVENTURE ACADEMY (AASAA) PVT. LTD.

Jakkur Aerodrome, 12th Km, Bellary Road,  
Bangalore - 560 064, INDIA  
Tel : +91-80-28560060, Fax : +91-80-28566250

REF: AASAA/CERT/TRNG/219-20/036C

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## CERTIFICATE

This is to certify that the following students of PARISUTHAM INSTITUTE OF TECHNOLOGY & SCIENCE, THANJAVUR has visited our organization on 25<sup>th</sup> July 2019.

List of Students

S.No	D. No	NAME OF THE STUDENT
1	7801	V.BALASUBRAMANIYAN
2	7802	C.KEERTHANA
3	7803	S.NAVEEN
4	7804	K.PRADEEPA
5	7805	D.PREETHI
6	7806	S.PRIYADHARSHINI
7	7808	D.SHALINI
8	7809	M.SIVARANJANI
9	7811	TNR.VENKAT RAMANAN
10	7813	K.VISHANS SHARMA

Place: Bengaluru

For Agni Aero Sports Adventure Academy  
(AASAA) Pvt Ltd

Authorised Signatory





# AGNI AERO-SPORTS ADVENTURE ACADEMY (AASAA) PVT. LTD.

Jakkur Aerodrome, 12th Km, Bellary Road,  
Bangalore - 560 064, INDIA  
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DATE: 25<sup>th</sup> July 2019

## CERTIFICATE

This is to certify that the following students of PARISUTHAM INSTITUTE OF TECHNOLOGY & SCIENCE, THANJAVUR has visited our organization on 25<sup>th</sup> July 2019.

### List of Students

S.NO	D.NO	NAME OF TH STUDENT
1	7903	C.MADESHWARAN
2	7904	S.NEEVIHA GAYATHRI
3	7905	S.K.NITHARSHANA JUVALA
4	7907	M.PRAVIN
5	7908	N.RAJARAJAN
6	7910	R.SARANRAJ
7	7911	R.SARO
8	7912	R.VISHVA
9	7961	P.JAGANNATHAN
10	7962	S.RAJ MOHAMED

Place: Bengaluru

For Agni Aero Sports Adventure Academy  
(AASAA) Pvt Ltd

Authorised Signatory



KTMD/Visits/2018

27/07/2018


Prof Anbarasan  
Head, Dept. of Aeronautical Engg.  
Parishutham Institute of Technology and Science  
Thanjavur

Sir,

Sub: - Visit of students to NAL, Bangalore on 27-07-2018

This is to certify BE (Aero) students and faculties from your Institution visited CSIR-National Aerospace Laboratories, Bangalore on 27-07-2018. They visited various facilities as per the programme enclosed.

With kind regards,



(A SOMANARAYANAN)  
In-charge Visits &  
Principal Technical Officer  
KTMD



vairam dinesh &lt;vairamaerospace@gmail.com&gt;

---

**Fwd: Reg -Requesting permission for Industrial Visit / NAL /Bangalore**

---

anbu &lt;anbarasan.falcon@gmail.com&gt;

Sat, Oct 3, 2020 at 10:07 AM

To: vairam dinesh &lt;vairamaerospace@gmail.com&gt;

----- Forwarded message -----

From: **Somanarayanan A** <soman@nal.res.in>

Date: Wed, 3 Jul 2019, 3:48 pm

Subject: Re: Reg -Requesting permission for Industrial Visit / NAL /Bangalore

To: anbu &lt;anbarasan.falcon@gmail.com&gt;

Cc: NALJyothi &lt;jyothigururaj@nal.res.in&gt;

KTMD/STUVISITS/2019

**03-07-2019**

Prof. Anbarasan.T

Associate Professor & Head,  
Department of Aeronautical Engineering,  
Parisutham Institute of Technology and Science,  
NH-67 Ring Road, Thanjavur- 613006,  
Tamil Nadu

Dear Sir/Madam,

Sub: Visit of **Aero** students on **26-07-19**Ref: your letter mail dt **03-07-2019**

This has reference to the letter/mail dated **03-07-2019**. We will be happy to organize a visit for your students and faculties to National Aerospace Laboratories, Bangalore on **26-07-2019** from **9.00 am to 12.00 noon**. Kindly note the following:- There may be lot of traffic problems on the way to NAL, kindly ensure enough buffer time to be 15 minutes to reach before the appointed time to enable us to conduct the programme as per the schedule For Security reasons electronics items, cell phones, cameras, laptops etc. are prohibited inside the campus. **Kindly send us the names of students and faculties who will be visiting, for arranging security clearance. Kindly note that foreigners are not permitted for the visit.** All students and faculties are requested to carry their ID cards. Also **one of the faculty is requested to carry a valid ID proof like aadhar** or driving licence etc. Kindly give the cell number of the contact person who will be accompanying the students, for coordinating purposes.

Kindly report to our reception at our Main campus (kodi halli campus) which is located on the old airport road opposite to Manipal hospital and adjacent to Leela Palace hotel (google map location see for Leela Palace Hotel). **Never see the google map for route for NAL as it will show the other campus which is 5 kms away. Kindly ensure that the students have their breakfast/lunch and brought for the visit or else they feel tired/ sick and may not be able to concentrate on the visit. Kindly note that no agents are involved in organizing the visits and no fee is charged for the visits. Since we are located in 2 different places separated by a distance of 5 kms, you are requested to make transport arrangement to visit both places without which it is not possible to visit various important facilities. Due to unforeseen reasons visit may be cancelled in the last minute and hence requested to reconfirm the visit on the prior to the day visit. Students below the age of 12 will not be permitted. Since there are lot of walking inside the campus to be done, it may be difficult for**

With kind regards,

(ASOMANARAYANAN)

In-charge, Visits, KTMD



CSIR-NAL, Bangalore

Off: 080 25086136 cell: 9740199555

On 07/03/19 12:27 PM, **anbu** <[anbarasan.falcon@gmail.com](mailto:anbarasan.falcon@gmail.com)> wrote:

Dear Sir,

Its our great pleasure to associate with NAL for the last 3 years to enrich the students activities. I wish to inform you that 31 students and 5 staff are willing to visit your esteemed organization on 26/07/19 ( Friday) . kindly accord permission for the same. We assure that our students and staff will obey the rules and regulations of your esteemed organization during their visit.

we are eagerly motivating the student's activities in terms of practical exposure of Aerospace / Aviation trends. **kindly permit us to visit Propulsion Division & CFD Lab,NAL,Bangalore on 26.07.19 (Friday).** Kindly find the attachment copy of students and staff list.

This is for your kind information and perusal.

Thanks & Regards,

Anbarasan.T

Associate Professor & Head,

Department of Aeronautical Engineering,

Parisutham Institute of Technology and Science,

NH-67 Ring Road, Thanjavur - 613006,

Tamil Nadu

Mobile No: +919688880912

दूरभाष / Tel : 080 - 25040895  
फैक्स / Fax : 080 - 25241507  
ई-मेल/Email : hrd@gtre.drdo.in



ISO 9001:2015  
Reg No. RQ91/10108



भारत सरकार / Govt of India  
रक्षा मंत्रालय / Ministry of Defence  
रक्षा अनुसंधान तथा विकास संगठन  
Defence Res & Dev Organization  
गैस टरबाइन अनुसंधान स्थापन  
Gas Turbine Research Establishment  
पत्र पेटी सं. 9302, सी.वी.रामन नगर  
Post Box No.9302, C.V.Raman Nagar  
बैंगलूर / BENGALURU - 560 093

No. GTRE/HRD/028

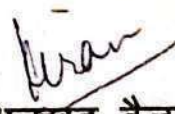
दिनांक / Date 05<sup>th</sup> July, 2019

## CERTIFICATE

This is to certify that Ms S.K. Nitharshana Juvala (821317101005) studying BE (Aeronautical Engineering) in Parisutham Institute of Technology and Science, Thanjavur has undergone Internship in Small Turbo Fan Engine Group of this Establishment from 24<sup>th</sup> June 2019 to 05<sup>th</sup> July 2019 as a part of BE Programme.

The performance, conduct and character of Ms S.K. Nitharshana Juvala has been very good to the best of our knowledge.



  
किरन धनखड़, वैज्ञानिक ई  
KIRAN DHANKHAR, Scientist - 'E'  
(मा.सं.वि.) (HRD)  
कृते निदेशक/For DIRECTOR





**Jet Aerospace**  
Aviation Research Center  
Palakkad | Kochi | Coimbatore | Dindigul



R&D Incubation Center



IIRS Outreach Programme Center

Date: 01/12/2019

Ref: JET/04/INT/2019-2020/995

**TO WHOM SO EVER IT MAY CONCERN**

This is to certify that **Mr. PRAVIN. M of B.E AERONAUTICAL ENGINEERING of PARISUTHAM INSTITUTE OF TECHNOLOGY & SCIENCE, THANJAVUR** has done his Drone Technology & Piloting Internship Training successfully at Division of Unmanned Research for five days from 27/11/2019 to 01/12/2019 at Jet Aerospace Aviation Research Centre, Palakkad, Kerala, India. We appreciate his participation and wish him all success in his future endeavors.

Best Regards

Authorized Signature  
JET AEROSPACE



+91-8883276477  
+91-9809812378



Nera KTC, Kanjikode Industrial Area  
Palakkad-678 623, Kerala, India.



www.jetaero.in  
info.jetaerospace@gmail.com



HIG: 47, New Housing Unit, Thanjavur-5

# **CERTIFICATE**

**This to certify that**

**S.NAVEEN**

**Student from**

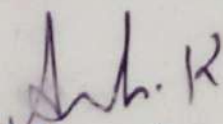
**Parisutham Institute of Technology and Science  
Thanjavur.**

**Has successfully completed**

**INPLANT TRAINING**

**From 06th - 16th June 2019**

**In “Automation in Aero Technology ”**

  
**Director**



# CERTIFICATE OF ACHIEVEMENT

*This is to certify that*

*Mr/Miss* Mr.T.ANBARASAN-AP/AERO

*is selected to work in Ak-Edusat program  
as a team member / mentor*



International  
We Serve  
Foundation

  
Dr. M.S. Vijayaraghavan  
(President,  
International We Serve Foundation)

  
Dr. U.P. Senthil Kumar  
(President, AKVIM)



  
Shri. K. Rajagurunathan  
(MD, Acolus Aero Tech Pvt Ltd)



# CERTIFICATE OF ACHIEVEMENT

*This is to certify that*

*Mr/Miss* Mr.K.T.GANESH-AP/AERO

*is selected to work in Ak-Edusat program  
as a team member / mentor*



International  
We Serve  
Foundation

  
Dr. M.S. Vijayaraghavan  
(President,  
International We Serve Foundation)

  
Dr. U.P. Senthil Kumar  
(President, AKVIM)



  
Shri. K. Rajagurunathan  
(MD, Aeolus Aero Tech Pvt Ltd)





# CERTIFICATE OF ACHIEVEMENT

*This is to certify that*

*Mr/Miss*

Ms.R.DIVYA

*is selected to work in Ak-Edusat program  
as a team member / mentor*



International  
We Serve  
Foundation

  
Dr. M.S. Vijayaraghavan  
(President,  
International We Serve Foundation)

  
Dr. U.P. Senthil Kumar  
(President, AKVIM)



  
Shri. K. Rajagurunathan  
(MD, Aeolus Aero Tech Pvt Ltd)





## PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE

Kamaraj Nagar, NH-67 - Ring Road, Nanjikkottai, Thanjavur - 613 006.

Phone : 04362 - 256585, 256595, 255954 Fax : 04362- 255976

E-Mail : pitsprincipal@gmail.com Web Site : www.parisuthamtech.com

10.09.2019

### To Whomsoever it may concern

Twenty one students (11 Boys & 10 Girls) of II year B.E. - Civil Engineering,  
three faculty of our institution are permitted to attend Industrial Visit to Mines and  
Cement Factory, Tamil Nadu Cement Corporation Ltd., Ariyalur on **11.09.2019**.

**Dr.J.NIRMALA, M.Tech., Ph.D.,**

Principal,

Parisutham Institute of Technology & Science,

Thanjavur - 613 006,

Tamilnadu, India.

**Encl: 1.** List of Students

**2.** List of Faculty

## 1. List of Students

S.No.	D.No.	Name of the Student
1	5001	ANJALI.T
2	5002	ARUNKUMAR.S
3	5003	CHILAMBARASAN.K
4	5004	ELLAKKIA.R.S
5	5005	EZEKIEL.D
6	5006	FANTIN JESANTH.A
7	5007	HARIHARAN.B
8	5008	JAYAATCHAYA.R
9	5009	GOWSHIKA.R
10	5010	KRITHIKA.G
11	5011	MARTINA JENCY.R
12	5012	MATHUMITHA.A
13	5013	PANCHATCHARAM.K
14	5014	PAUL IMRISH.A
15	5015	PRAPALYA.S
16	5016	SHEIK ABDULLA.M
17	5017	SIVAPRASAD.M
18	5018	SONA.R
19	5019	SUJITH.K
20	5020	SWATHI.R
21	5021	VENKATRAJ.R

## 2. List of Faculty

Sl. No.	Name of Faculty
1	Dr. M. Kannan
2	Mr. A. Govandan
3	Ms. S. Mithra

  
**Dr. J. NIRMALA, M.Tech., Ph.D.**  
Principal,  
Parisutham Institute of Technology & Science  
Thanjavur - 613 006  
Tamilnadu, India





**PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**AY 2019-20      II Year /III Sem.(ALTA VISTA BATCH)**

**INDUSTRY VISIT FILE**

<b>Types of Industries</b>	TANCEM,MINES and WOOD FOSSIL- ARIYALUR
<b>Planned or Non-planned activity</b>	Non-planned activity
<b>Objectives Clearly Defined</b>	Objectives defined in a report
<b>No. of Students Participated</b>	21
<b>Relevant Area of Training</b>	Applied geology, Construction materials and Environmental engineering I & II
<b>Visit Report Documented</b>	Documented
<b>Feedback Format</b>	Format finalized

**HOD**

**HOD/CIVIL,**

Parisutham Institute of Technology & Science  
Thanjavur - 613 006  
Tamilnadu, India.



## **PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE,**

**Department of Civil Engineering**

**TAMILNADU CEMENTS CORPORATION LIMITED (TANCEM)**

### **INDUSTRY VISIT REPORT**

**Tamilnadu Cements Corporation Limited (TANCEM)**, a wholly owned Government of Tamilnadu undertaking, started business from 1st April 1976 with an authorized share capital of Rs. 18 crores taking over cement plant at Alangulam and setting up another plant at Ariyalur in the year 1979. TANCEM, as its expansion and conversion activities, set up Asbestos Sheet unit at Alangulam during 1981. TANCEM also took over during 1989, a Stoneware pipe plant from TACEL with a view to provide employment to the retrenched employees.

TANCEM has, thus become a multi plants, multi locations and multi products company with an annual turnover of around Rs. 250 crores and the authorised capital as of now is Rs. 37.43 Crores.

The company has its main objective in production of cement and cement based products and primarily cater to the needs of Government departments. Limestone being the main raw material, the company acquired and reserved enough limestone bearing lands in and around Alangulam and Ariyalur which are sufficient to run the cement plants for decades to come. Hence, the role of TANCEM in the development of state is immense.

### **NATIONAL FOSSIL WOOD PARK, SATTANUR**

Geological study shows that more than 120,000,000 years ago, the sea (which lies today about 100 k.m. East of Sathanur) had transgressed as far as 8 to 10 km West of Sathanur. During this period which is Geologically known as the Cretaceous, the sea abounded in a variety of marine animals similar to those found in the present day sea. These animals, after death, sank to the bottom and were buried by sands and clays brought down by the rivers. Along with them some of the trees which flourished on the seacoast or near shore were also buried after transport by flooded streams and were petrified in course of time.

The large trunk of petrified tree, which can be seen here, lies within the Trichirappalli group of rocks of about 100,000,000 years ago. This tree shows the presence of Conifers (The non flowering plants) that dominated the land vegetation prior to the advent of Angiosperms (the flowering plants of the present day).

The petrified tree trunk at Sathanur measures over 18 meters in length. Similar fossil trees measuring a few meters in length are found along the stream sections near Varagur, Anaipadi, Alundalipur and Saradamangalam. Dr. M.S. Krishnan of the Geological Survey of India first reported this fossil tree in 1940.

To Whomsoever it may concern

17. 7. 19

Twenty seven students (19 Boys & 8 Girls) of III year Civil Engineering, three faculty and One Instructor of our institution are permitted to attend Survey Camp at Thirumoorthy Hills from 17.07.2019 to 21.07.2019.

  
Dr. J. NIRMALA, M.Tech., Ph.D.,  
Principal,  
Parisutham Institute of Technology & Science,  
Thanjavur - 613 006.  
Tamilnadu, India.

- Encl: 1. List of Students  
2. List of Faculty  
3. List of Instructor



## 1. List of Students

S.No.	D.No.	NAME OF THE STUDENT
1	5901	M.AATHIRAM
2	5902	B.ABIBALAA
3	5903	K.AMIRTHA VARSHINI
4	5905	S.FATHIMA VAVU
5	5906	J.HARIHARAN
6	5909	K.KARTHIK
7	5911	M.NETHAJI
8	5912	N.NIRMAL KUMAR
9	5913	R.NISHANTH
10	5914	R.PARDEEPAN
11	5916	T.PRASITHA
12	5917	K.PRAVEEN
13	5918	P.PRUTHIVI RAJ
14	5919	V.SANDHYA
15	5920	D.SATHISHKUMAR
16	5921	S.SNEGA
17	5922	G.K.SWARNALAKSHMI
18	5923	M.SWETHA
19	5924	SYED RAFYUDDIN
20	5925	M.TAMILSELVAM
21	5926	V.VASANTHAKUMAR
22	5928	C.VINOTH
23	5961	V.AAKASH
24	5962	U.HARIHARAN
25	5963	MESHACH RAJDASON
26	5964	R.RAVINDRAN
27	Trans	R.JOHN ADAMS

  
**Dr. J. NIRMALA, M.Tech., Ph.D.,**  
Principal,  
Parisutham Institute of Technology & Science,  
Thanjavur - 613 006.  
Tamilnadu, India.

## **2. List of Faculty**

Sl. No.	Name of Faculty
1	Dr. M. KANNAN
2	Mr. A. GOVANDAN
3	Ms. U. ABIRAMI

## **3. List of Instructor**

Sl. No.	Name of Instructor
1	Mr. S. PHILIPRAJ

  
**Dr. J. NIRMALA, M.Tech., Ph.D.,**  
Principal,  
Parisutham Institute of Technology & Science,  
Thanjavur - 613 006.  
Tamilnadu, India.



**PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**AY 2019-20      III Year /V Sem.(YAHOO BATCH)**

**INDUSTRY VISIT FILE**

<b>Types of Industries</b>	Thirumoorthy hills(survey camp)
<b>Planned or Non-planned activity</b>	Non-planned activity
<b>Objectives Clearly Defined</b>	Objectives defined in a report
<b>No. of Students Participated</b>	27
<b>Relevant Area of Training</b>	Surveying I & II
<b>Visit Report Documented</b>	Documented
<b>Feedback Format</b>	Format finalized

  
**HOD**  
**HOD/CIVIL,**  
Parisutham Institute of Technology & Science  
Thanjavur - 613 006,  
Tamilnadu, India.





**PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**AY 2019-20**      **III Year /V Sem.(YAHOO BATCH)**

**INDUSTRY VISIT FILE**

<b>Types of Industries</b>	Aaliyar dam
<b>Planned or Non-planned activity</b>	Non-planned activity
<b>Objectives Clearly Defined</b>	Objectives defined in a report
<b>No. of Students Participated</b>	27
<b>Relevant Area of Training</b>	Mechanics of fluid, Applied hydraulic engineering and Environmental engineering I & II
<b>Visit Report Documented</b>	Documented
<b>Feedback Format</b>	Format finalized

  
**HOD**  
**HOD/CIVIL,**  
Parisutham Institute of Technology & Science  
Thanjavur - 613 006,  
Tamilnadu, India.



**PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**AY 2019-20      III Year /V Sem.(YAHOO BATCH)**

**INDUSTRY VISIT FILE**

<b>Types of Industries</b>	Thirumoorthy dam
<b>Planned or Non-planned activity</b>	Non-planned activity
<b>Objectives Clearly Defined</b>	Objectives defined in a report
<b>No. of Students Participated</b>	27
<b>Relevant Area of Training</b>	Mechanics of fluid, Applied hydraulic engineering and Environmental engineering I & II
<b>Visit Report Documented</b>	Documented
<b>Feedback Format</b>	Format finalized

**HOD**

**HOD/CIVIL,**  
Parisutham Institute of Technology & Science  
Thanjavur - 613 006,  
Tamilnadu, India.

**PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE**  
**Department of Civil Engineering**  
**Field Trip - Thirumoorthy Dam**  
**III Year / V Sem. (Yahoo Batch)**





## **ALIYAR DAM VISIT: 19.09.2019**

**No. of Students: 27**



### **Aliyar Dam - Foot hills of Valparai**

Aliyar Dam "The Best Picnic Spot" is located above 918 feet (280 m) from the Mean sea level on the Anamalai mountain range and in the Anamalai Tiger Reserve. It stands majestically with Green Spread Mountains and forest all around.

In Aliyar Dam there is a park, garden, aquarium, play area, Boat House Park. Monkey Falls and The Temple of Consciousness are the tourist attractions.

Aliyar Dam receives water from Upper Aliyar Reservoir of Valparai through the hydroelectric power station in Navamali and the Parambikulam reservoir through a contour canal. Aliyar dam, built as a part of Parambikulam aliyar project (PAP), retains a large reservoir. The dam is around 2 kilometers in length.

Parambikulam Aliyar project consists of a series of dams Aliyar, Parambikulam, Thunakadavu Dam, Peruvaripallam Dam, Sholayar Dam, Upper Nirar Dam, Lower Nirar Dam and Thirumoorthy Dam are interconnected by tunnels and canals for irrigation and power generation. The scheme is an outstanding example of engineering skill.



**THIRUMURTHY DAM VISIT – 20.09.2019**







### **Thirumoorthy Dam**

Constructed in the year 1966 across the river Palar, the 60 feet high Thirumoorthy Dam is located 50kms from Pollachi and 20 Kms from Udumalpet (Ooty) on the Palani-Coimbatore highway. It has built mainly for the process of irrigation and for generating electricity. The dam is the main source of water supply to the Coimbatore city. Positioned adjoining Thirumoorthy hill, the dam is an excellent tourist spot with a beautifully laid out garden and swimming pool. Boating facilities are also available in the dam. One can visit the place from 9.00 am to 6.00 pm. Thirumoorthy Temple is situated at the foot of the **Thirumoorthy hills** or **Thirumoorthi hills** adjoining the Thirumoorthy dam. The scenic beauty of the Anamalai hill range of Western Ghats, includes the cascading water to the Thirumoorthy reservoir from the Panchalingam Falls. A perennial stream flows by the side of the Sri Amanalingeswarar temple. The presiding deity is called Amanalingeswara.





**PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE,**

**Department of Civil Engineering**

**CSIR-Structural Engineering Research Centre (CSIR-SERC)**

**INDUSTRY VISIT REPORT**

<b>Types of Industries</b>	CSIR-SERC
<b>Planned or Non-planned activity</b>	Non-planned activity
<b>Objectives Clearly Defined</b>	Objectives defined in a report
<b>No. of Students Participated</b>	37
<b>Relevant Area of Training</b>	Structural analysis I & II, DREC, DSS and DRCMS
<b>Visit Report Documented</b>	Documented
<b>Feedback Format</b>	Format finalized

**CSIR-Structural Engineering Research Centre (CSIR-SERC)**, Chennai, India is one of the national laboratories under the Council of Scientific & Industrial Research (CSIR), India. CSIR-SERC has built-up excellent facilities and expertise for the analysis, design and testing of structures and structural components. Services of SERC are being extensively used by the Central and State Governments and public and private sector undertakings. Scientists of CSIR-SERC serve on many national and international committees and the Centre is recognized at the national and international levels as a leading research institution in the field of structural engineering. CSIR-SERC has been certified as ISO 9001:2008 quality institution.

Research and Development efforts at CSIR-SERC deal with development of improved analysis, design and construction techniques for different types of complex structures such as shell roofs, transmission line and microwave towers and other tower-like structures, ships, offshore structures and machine foundations. A number of time and cost saving precast construction techniques and products have been developed by the Centre. High strength deformed bars, funicular shells, fibre reinforced concrete manhole covers, ferrocement water tanks, service core units, etc., developed by the Centre have been extensively used in many organizations in the country. Over the years, several general purpose computer software packages have been developed for computer-aided analysis, design and drafting of various structures and structural components. CSIR-Structural Engineering Research

Centre has been focusing its research & development programmes in the following broad thrust areas:

- Structural Concrete Engineering & Technology
- Sustainable Materials and Composites & retrofitting/Rehabilitation of Structures  
Computational Structural Mechanics for Analysis and Design, Modelling
- Transmission line towers, Metal Structure Behavior and Fatigue and Fracture
- Structural Health Monitoring and Evaluation & Forensic Analysis
- Wind Engineering and Earthquake Engineering

**VISITED on 20<sup>th</sup> SEP' 2018**

**No of students : 37**





**Ariyalur Cement Factory (TANCEM) and Mines photos which has visited on 30.08.2017 by II Year Civil Engineering**









INDUSTRIAL VISIT - TRACO CABLE COMPANY LIMITED-  
11.08.2017



INDUSTRIAL VISIT - CSIR-NATIONAL INSTITUTE OF  
OCEANOGRAPHY-11.08.2017



INDUSTRIAL VISIT - CENTRAL MARINE FISHERIES  
RESEARCH INSTITUTE-11.08.2017



INDUSTRIAL VISIT - ALL INDIA RADIO KODAIKANAL  
10.08.2016



INDUSTRIAL VISIT - CSIR - NATIONAL AEROSPACE  
LABORATORIES, BENGALURU ON 25.07.2019



INDUSTRIAL VISIT - BHARATH HEAVY ELECTRICALS LIMITED  
(ELECTRONICS DIVISION), BENGALURU ON 26.07.2019



INDUSTRIAL VISIT - VISVESWARAYA TECHNOLOGICAL MUSEUM  
BENGALURU ON 26.07.2019





## PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE

Kamaraj Nagar, NH-67 - Ring Road, Nanjikkottai, Thanjavur - 613 006

Phone : 04362 - 256585, 256595 255954 Fax : 04362- 255976

E-Mail : pitsprincipal@gmail.com Web Site : www.parisuthamtech.com

### To Whomsoever it may concern

Date: 27.07.2017

Attending Industrial Visit is essential for Engineering studies as per the Anna University Curriculum. So, fifty one students of third year B.E (Mechanical Engineering) and three staff- members of our Institution are permitted to go for an Industrial Visit to Hosur.(Ashok Leyland) on 28.07.2017.

DEAN (ACADEMICS)

**DEAN (ACADEMICS)**

PARISUTHAM INSTITUTE OF  
TECHNOLOGY & SCIENCE  
NH-67-Ring Road,Kamaraj Nagar,  
Thanjavur-613 006  
Tamilnadu, India

**Encl:** List of Students & Staff

## List of students

S.NO	D.NO	NAME
1	6701	ABISHEIK.N
2	6702	AGILAN.A.M
3	6704	AJITH.A
4	6705	ANLIN NIJO.P
5	6706	ARAVIND.P
6	6707	ARAVINDHAN.T
7	6708	ARAVINDHAN.M
8	6709	AROON DASS.P
9	6710	BALA SUBRAMANIYAN.K
10	6711	BARANIKRIAHNAN.G.V
11	6712	BHARANIS
12	6713	DEEPAK RAJA.G
13	6714	DINESH.S
14	6715	ELAMARAN.S
15	6716	GNANAERIVAN.K
16	6718	JAYAVIGNESH.G
17	6723	LINFORD STENIN.S
18	6726	NIRANJAN.S
19	6727	PAVENDHAN.A.S
20	6728	POONGUNDRAN.P
21	6730	PRASANTH.R
22	6731	PRAVEEN KUMAR.K
23	6732	PRAVEEN KUMAR.S
24	6735	RAGHU.R
25	6736	RAJESH KANNAN.R
26	6737	RAMAKRISHNAN.P
27	6738	RAMASAMY.T
28	6741	SABARINATHAN.M
29	6744	SANTHANARAJ CHRISTOPHER.D.
30	6745	SIVANATHAN.G
31	6746	SOMASUNDARAM.T
32	6747	SRIHARI.S
33	6748	SURIYARAJ.G
34	6752	UPPILI NITHIN SOORYA.B
35	6753	VAIRAMUTHU.V
36	6755	VETRIVEL.G
37	6756	VIJAY.S
38	6757	VIJAYAKUMAR.V
39	6758	VINOTH.S
40	6759	YUVARAJ.P
41	6761	PRASANTH.V
42	6771	ANANTHAN.P
43	6772	BALAJI.S
44	6773	BASKARAN.R

45	6774	BHARATH KUMAR.A
46	6776	RAKESH.S
47	6777	SARAVANAN.R
48	6779	SENTHIL.S
49	6780	SURIYA.K
50	6781	VETRIVEL.M
51	6782	VIGNESH.M

## List of staff members

S.NO	STAFF NAME
1	Mr.C.N.MURUGANANDAM
2	Mr.K.RAMADURAI
3	Mr.V.KARTHIK

*P. N. Iyer*

**DEAN (ACADEMICS)**

PARISUTHAM INSTITUTE OF  
TECHNOLOGY & SCIENCE  
NH-67-Bing Road, Kamaraj Nagar,  
Thanjavur-613 006.  
Tamilnadu, India



**SUMMARY OF INDUSTRIAL VISIT**

DATE: 28.7.2017

PLACE OF VISIT: Ashok Leyland Hosur

SEM/YEAR: III/V YEAR

No. of Students: 56

Staff's Name: Mr C.N.Muruganamdham., Mr.K.Ramadurai Mr.V.Karthi

Travels: Kavi Travels Thanjavur

Summary:

**Ashok Motors**

Ashok Motors was founded in 1948 by Raghunandan Saran, an Indian freedom fighter from Punjab.<sup>[5]</sup> After Independence, he was persuaded by India's first Prime Minister Nehru to invest in a modern industrial venture. Ashok Motors was incorporated in 1948 as a company to assemble and manufacture Austin cars from England, and the company was named after the founder's only son, Ashok Saran. The company had its headquarters in Rajaji Saalai, Chennai (then Madras) with the plant in Ennore, a small fishing hamlet in the North of Chennai. The company was engaged in the assembly and distribution of Austin A40 passenger cars in India.

**Under Leyland**

Raghunandan Saran died in an air crash. He had previously been negotiating with Leyland Motors of England for assembly of commercial vehicles as he envisioned commercial vehicles were more in need at that time than were passenger cars. The company later under Madras State Government and other shareholders finalised for an investment and technology partner, and thus Leyland Motors joined in 1954 with equity participation, changing the name of the company to Ashok Leyland. Ashok Leyland then started manufacturing commercial vehicles. Under



Leyland's management with British expatriate and Indian executives the company grew in strength to become one of India's foremost commercial vehicle manufacturers.

The collaboration ended sometime in 1975 but the holding of British Leyland, now a major British Auto Conglomerate as a result of several mergers, agreed to assist in technology, which continued until the 1980s. After 1975, changes in management structures saw the company launch various advanced vehicles and pioneering innovations in the Indian market, with many of these models continuing to this day with numerous upgrades over the years.

### **Under Iveco and Hinduja partnership**

In 1987, the overseas holding by Land Rover Leyland International Holdings Limited (LRLIH) was taken over by a joint venture between the Hinduja Group, the Non-Resident Indian transnational group and IVECO, part of the Fiat Group. Ashok Leyland's long-term plan to become a global player by benchmarking global standards of technology and quality was soon firmed up. Access to international technology and a US\$200 million investment programme created a state-of-the-art manufacturing base to roll out international class products.

### **Hinduja Group**

In 2007, the Hinduja Group also bought out IVECO's indirect stake in Ashok Leyland. The promoter shareholding now stands at 51%. Today the company is the flagship of the Hinduja Group, a British-based and Indian originated trans-national conglomerate after Hinduja's bought Iveco's remaining ownership stakes.

### **Quality**

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Ashok Leyland was awarded the prestigious 2016 Deming Prize for its Pantnagar manufacturing facility. The CV manufacturer's Pantnagar plant became the first truck and bus plant in the world and the only CV manufacturer outside of Japan to win the Deming Prize.<sup>[6][7]</sup> The plant manufactures the Dost small CV and Partner LCV, a varied range of buses, trucks and defence & special vehicles. The manufacturing capacity of the plant is 150,000 units per annum.

In the journey towards global standards of quality, Ashok Leyland reached a major milestone in 1993 when it became the first in India's automobile history to obtain the ISO 9002 certification. The more comprehensive ISO 9001 certification came in 1994, QS 9000 in 1998 and ISO 14001 certification for all vehicle manufacturing units in 2002. In 2006, Ashok Leyland became the first automobile company in India to receive the TS16949 Corporate Certification.



PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE

DEPARTMENT OF MECHANICAL ENGINEERING

Industry Name: ASHOK LEYLAND

SWOT ANALYSIS

Strength

- Ashok Leyland had a strong market share (28.6%) in the medium and heavy commercial vehicle segment in FY2015.
- It is the 2<sup>nd</sup> largest manufacturer of commercial vehicles in India, also it is the 4<sup>th</sup> largest manufacturer of buses in the world.
- Thus, the strong market position in different domains gives the company a better brand image and wider customer base
- Ashok Leyland has forayed into a various segment of heavy, medium and light vehicles which includes buses, trucks, defence vehicles, etc.
- The company also offers diesel engines for industrial, marine and generator applications. The strong product portfolio expands the customer base and market share

Weakness

In FY 2015, Ashok Leyland generated 87.3% of its revenues from the domestic market. This makes it vulnerable to any economic and political changes in the country. This gives an advantage to its prime competitor Tata Motors which operates through a wider revenue base geographically.

**Termination of JV with Nissan:** In 2016, a Japanese company, Nissan Motor Company terminated the 3 JVs signed with Ashok Leyland, ending 8-year-old business relationships. There were also lawsuits filed against each other creating an unamicable atmosphere. Such instances can make the company weak as it hurts the image of the company and also affects the financial condition as well as operations.



Ashok Leyland Tusker Twin Axle Lorry with custom built cabin, a regular sight on Indian



A new Ashok Leyland 3518iL chassis unit for custom built cab and load body



Stallion 4X4 Truck for the Indian Army



Ashok Leyland's Stallion Kavach 4X4 Mine Protection Armoured Vehicle



Ashok Leyland City Transit Bus



The Current generation Ashok Leyland eComet



## Opportunities

**Growing global automotive industry:** The Global automotive industry has shown constant growth in the recent years and thus creates an opportunity for Ashok Leyland to grab upon. The company should focus on tapping the opportunities created in the global market, especially in the emerging countries to take advantage of the growth in the industry and with it expand its footprint over the globe.

**Expanding Product portfolio:** With its focus on research and development, Ashok Leyland should look forward to expanding its product portfolio like it has done in the recent past by introducing different heavy and medium commercial vehicles. This helps in expanding its market and provides a competitive edge

## Threats

**Environmental Regulations:** The industry is subjected to constant changes and up gradation in the environmental regulatory requirements. The company has to comply with regulations regarding emission levels, noise, safety and pollutant levels. Such regulations increase compliance costs which could also affect the pricing strategy of the company.

**Volatility in supply affects profitability:** Some of the important commodities used in manufacturing automobiles, including steel, aluminium, copper, zinc have been extremely susceptible to price changes in the recent years because of the supply-demand difference. This affects the profitability of the company directly

**PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE**  
**DEPARTMENT OF MECHANICAL ENGINEERING**  
**INDUSTRIAL VISIT – ASHOK LEYLAND**  
**AY 2017 – 2018 (Red Rose Batch)**







**PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE**  
(Approved by AICTE, Affiliated to Anna University, Chennai, India)  
NH 67, Ring Road, Nanjikottai, Thanjavur- 613006, Tamil Nadu

Date: 10.9.2018

To Whomsoever it may concern

One hundred and seven students (35 Boys & 72 Girls) of II, III, IV year B.E – Computer Science and Engineering and 5 faculty of our institution are permitted to attend Industrial Visit to UST Global Solution and ISRO in Trivandrum, Kerala.

**Dr. J. NIRMALA, M.Tech., Ph.D.,**  
Principal,  
Parisutham Institute of Technology & Science  
Thanjavur - 613 006.  
Tamil Nadu, India.

Encl: 1. List of Students.

2. List of Faculty.



1. List of Students:

S.NO	REGISTER NO	NAME OF THE STUDENT
1	821315104002	Anupriya.R
2	821315104003	Chitra.N
3	821315104004	Devadharshni.L
4	821315104005	Dineshwaran.K
5	821315104006	Gowsalya.K
6	821315104007	Jafer Sadiq.S
7	821315104008	Jayasudha.R
8	821315104010	Kavinesh.N
9	821315104011	Madhumitha.S
10	821315104012	Madhushree.K
11	821315104013	Muthuselvan.P
12	821315104014	Nandakumaran.M
13	821315104015	Nisha.K
14	821315104016	Nivetha.R
15	821315104017	Preethika.Kb
16	821315104018	Puviyarasi.S
17	821315104019	Rajalakshmi.R
18	821315104020	Seetha.C
19	821315104021	Shalini.M
20	821315104022	Shalini.M
21	821315104023	Sophia.K
22	821315104024	Thilakesh.M
23	821315104026	Vishali.S
24	821315104301	Lavanya.P
25	821315104302	Muthu Rathna Priya.R
26	821316104001	Abinaya A
27	821316104002	Aishwarya C
28	821316104004	Anish T

29	821316104005	Anjushree M
30	821316104006	Antonvinoly A
31	821316104007	Arthi R
32	821316104008	Atchaya M
33	821316104009	Balasundari R
34	821316104010	Birunda S
35	821316104011	Devadharshini V
36	821316104013	Ganapathyakash S L
37	821316104014	Hemasiselee S
38	821316104015	Iniyan A
39	821316104016	Jenimalar J
40	821316104017	Jesima S
41	821316104019	Kaaviyan J
42	821316104021	Kavya T
43	821316104022	Kishore Kirubakaran T
44	821316104023	Logeshwaran S
45	821316104024	Madhumitha R
46	821316104025	Mahalakshmi G
47	821316104026	Manikandan M
48	821316104027	Manojkumar S
49	821316104028	Monika K
50	821316104029	Nasrin Banu K
51	821316104030	Nilavazhagi S
52	821316104032	Pooja Rajalakshmi B
53	821316104033	Pradeepa M
54	821316104034	Pragadeeshwaran S
55	821316104035	Prakash P
56	821316104036	Preetha M
57	821316104037	Radhika M
58	821316104039	Ravi Raj B

59	821316104040	Saffrin Banu M B
60	821316104041	Sathya Sri R
61	821316104042	Soundariya V
62	821316104044	Subasri M
63	821316104045	Susana I
64	821316104046	Swetha K
65	821316104047	Vidhya Sheela K
66	821316104048	Vignaashri K
67	821316104049	Vignesh R
68	821316104051	Viswar A R A
69	821316104052	Yagamoorthy M
70	821316104053	Yuvavijayaprasanth S
71	821316104501	Kalaiyaran A
72	821316104301	Usman Ali A
73	821317104002	Aishwarya . M
74	821317104003	Akash . P
75	821317104005	Arulmozhi . R
76	821317104006	Arvinthan . R . A
77	821317104007	Dhivya Bharathi . V. G
78	821317104008	Gopaldharshan . V
79	821317104009	Gulshan Ara . S
80	821317104010	Guna . V
81	821317104011	Hema . S
82	821317104012	Janaki Meera . K
83	821317104013	Jenova Joy. M
84	821317104014	Kalpana . P
85	821317104015	Krishnamoorthy . V
86	821317104016	Lavanya . N
87	821317104017	Manoj Prabaker J. R
88	821317104018	Parkavi . A
89	821317104019	Peter Calab . J



90	821317104020	Praveen . P
91	821317104021	Priyadharshini . A
92	821317104022	Priyadharshini . K
93	821317104023	Sangeetha . A
94	821317104024	Seyamala Devi . S
95	821317104025	Shafiqah Banu . M
96	821317104026	Sneka . M
97	821317104027	Suruthika . N
98	821317104029	Thariha . M
99	821317104030	Uthayanila . T
100	821317104031	Vaishnavi K . A
101	821317104032	Vallarasu . R
102	821317104033	Vengada Subra Maniyam . T
103	821317104034	Vijay. R
104	821317104035	Vijay . S
105	821317104036	Yazhini . E
106	821317104301	Naveen R
107	821317104701	Kamali P
108	821317405001	Suruthi.N
109	821317405002	Vinitha.K

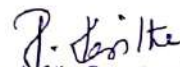
## 2. List of Faculty:

S.No	NAME OF THE FACULTY
1	Mr.A.Rajarajan
2	Mr.M.B.Bose
3	Ms.G.Sherifa
4	Ms.M.Sneha Priya
5	Ms.Raashma Mahaboob

  
**Dr.J.NIRMALA, M.Tech., Ph.D.,**  
 Principal,  
 Periyar Institute of Technology & Science  
 Thiruvannamalai - 613 006,  
 Tamilnadu, India.

### INDUSTRY VISIT FILE

<b>Types of Industries</b>	UST Global Solution and ISRO in Trivandrum, Kerala.
<b>Planned or Non-planned activity</b>	Non-planned activity
<b>Objectives clearly defined</b>	Objectives defined in a report
<b>No. of students participated</b>	109
<b>Relevant area of training</b>	Cyber Security
<b>Visit report documented</b>	Documented
<b>Feedback format</b>	Format finalized



Head of the Department.

Department of Computer Science & Engineering,  
Parsurtham Institute of Technology & Science,  
Thanjavur - 613 005.



**PARISUTHAM INSTITUTE OF TECHNOLOGY AND SCIENCE**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**INDUSTRIAL VISIT DETAILS -ACADEMIC YEAR 2018-2019**

On the 12th September 2018, the Department of Computer Science and Engineering had organized an Industrial Visit for 109 students of the Third, Fifth and Seventh semester B.E (CSE) and III Semester M.E (CSE) who were accompanied by five of the faculty of the department. The visit was to the UST Global (MNC) and ISRO, situated in Trivandrum, Kerala.

**INDUSTRIAL VISIT SCHEDULE – 12.09.2018**

S.No	Name of the Company	Session	No. of Students
1	UST Global Thiruvananthapuram, Kerala.	Fore Noon	109
2	Vikram Sarabhai Space Centre (VSSC), ISRO, Thiruvananthapuram, Kerala.	After Noon	



UST Global, Thiruvananthapuram.  
Thiruvananthapuram.



Vikram Sarabhai Space Centre (VSSC), ISRO.,  
Thiruvananthapuram.



### **UST Global, Thiruvananthapuram**

#### **UST Global Campus, Technopark Phase 2, Kulathur PO, Trivandrum - 695 583**

**UST Global** is an American multinational provider of Digital, IT services and solutions, headquartered in Aliso Viejo, California, United States. Stephen Ross founded UST Global in 1998 in Laguna Hills. The company has offices in USA, India, Mexico, UK, Malaysia, Philippines, Singapore, Spain and Poland. UST Global specializes in Healthcare, Retail & Consumer Goods, Banking & Financial Services, Telecom, Media & Technology, Insurance, Transportation & Logistics and Manufacturing & Utilities.

UST Global offers a host of services in areas like Digital, Consulting, Managed Innovation, Human Centered Design, Advanced Analytics, Algorithms, Cyber Security, Engineering services, Embedded Engineering Product development, Tech build, Application Development, Enterprise Quality Assurance, Infrastructure, e-Commerce, Business Intelligence, Data Management, and BPO services. The speaker emphasized UST Global services has emerged as one of the key areas where students can build their career in industry. He also discussed regarding current IT trends, how to get placement, mantras for success and answered number of queries posed by the students. At the end of the day we had a good experience and learnt many things from the visit. This kind of interaction with industry helps to improve industry relations, create awareness about corporate standards and practices. It also helps to bridge the gap between industry and academia.

### **Vikram Sarabhai Space Centre (VSSC), ISRO, Thiruvananthapuram**

**ISRO** is the primary agency under the Department of Space, Govt. of India, for executing space programmes. The Indian space program starts around 1962, with the sincere effort of Vikram Sarabhai who is known as the father of the Indian space program. ISRO undertook demonstration of space applications for communication, broadcasting and remote sensing. The success story of ISRO starts when it launches its first satellite Aryabhata in collaboration with Russia. Initially ISRO used to launch its satellite in collaboration with US, and Russian countries but later because of the fast exploration and interest on space it begins to launch self-made satellites in Indian-made Rockets. The series of satellites used were PSLV, GSLV, and etc. ISRO has its unique mark among all other space research organizations throughout the world. Even the western countries seek the help of ISRO for their space missions. But now ISRO successfully sent Chandrayaan-1 spacecraft to moon in November 2008 which makes India, the fourth individual country to send a probe to the lunar surface.

This visit to ISRO enabled us to understand the technology behind the launch vehicles, satellites, and various space research equipments their construction, various development stages of such equipments, their necessity in space research. We also able to know about the types of satellites that has been used for various real time application such as telecommunication, Broad casting, business communication, mobile communication, Tele-medicine, Tele-education, search and rescue, satellite navigation, meteorology, natural resource management, disaster management support and village resource centers. We also able to know about some of the basic problems happen to launch vehicles and the technology to resist such problems.



**INDUSTRIAL VISIT (UST GLOBAL) – 12.09.2018**



**INDUSTRIAL VISIT (UST GLOBAL) – 12.09.2018**



**INDUSTRIAL VISIT (UST GLOBAL) – 12.09.2018**



**INDUSTRIAL VISIT (ISRO) – 12.09.2018**



**INDUSTRIAL VISIT (ISRO) – 12.09.2018**



**INDUSTRIAL VISIT (ISRO) – 12.09.2018**