

## COLLEGE ACTIVITIES & EVENTS

### ORIENTATION PROGRAM:

The orientation program of newly admitted B.E. first year students of the institute was held on 3<sup>rd</sup> Aug., 2017 individually in respective departments. The students were informed about the working of the college and University. They were taken around the college campus to make them aware of different department locations and the laboratories in these departments. A booklet with details about the college, courses and their intake and annual report of the college was circulated to all the students.



Students in the orientation program

### VILLAGE VISIT:

Village Visit was organized on 21<sup>st</sup> Aug., 2017 as part of the first semester Bridge Course. Villages like Gajan, Moti Isrol, Sakariya, Dugharwada, Sardoi, Limbhoi and Sayra were selected. The students collected information regarding transportation facilities, means of communication, educational facilities, medical facilities and health issues, public facilities and amenities, local organizations, industrial and commercial establishments, agriculture, digital literacy etc in the form of a survey form specially designed for this purpose by the institute. A science quiz was conducted in the schools of these villages by the faculty. The program was coordinated by Prof. Lalit S Narsingani, Prof. Dipak H.Sahay and Prof. U.A.Farediwala.



Village Visit



Village Visit

### **SOCIAL CONTRIBUTION TO NEIGHBORING SCHOOLS:**

Students and faculty of the college teach maths & science in the nearby primary & secondary schools of Aravalli district. They spend two hours in these schools on every Saturday contributing into teaching process for improving the quality of education. Around 150 students have spent about 24 hours in each school.



Visit to nearby schools

### **INTERNATIONAL YOGA DAY CELEBRATION:**

International Yoga Day was celebrated on 21<sup>st</sup> June, 2017. Yoga Guru Dr. Dipti Upadhyay made the faculty, staff and students perform Yogasanas in the right perspective in the early morning hours. About 450 students and faculty members of the college participated in the celebration.



International Yoga day celebration

## WOMEN EMPOWERMENT PROGRAM:

A historical one day seminar on Women Empowerment titled “Women Empowerment: Emerging Technologies, Start Up, and Entrepreneurship, Safety and Life Management Skills” was organized on 6<sup>th</sup> September, 2017. GTU Vice Chancellor Dr. Navin Sheth was the chief guest of the program. The experts who shared their experiences were Ms. Hina Shah, wellknown entrepreneurship trainer, Ms. Ilaben Ahir, SDM Aravalli, Ms. Ruzaan Khambatta, wellknown entrepreneur and woman safety trainer, BK Chandrikaben, Youth Wing Chairman, Brahma Kumaris Centre, Ahmedabad, Ms. Vanitaben Patel, President Modasa Nagarpalika and Principal of GEC, Modasa, Dr. A.M.Prabhakar. Around 400 girl students including 50 girl students from Science College, Modasa and 23 female faculty took active part in the program. The Heads of various departments were present.



Women Empowerment Program

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### TREE PLANTATION PROGRAM:

A tree plantation program was held in the college campus on 7<sup>th</sup> Sept. 2017 . About 200 palm and other trees were planted in the college campus and around various departments, giving a picturesque view of the college.



Tree plantation program

### ENGINEER'S DAY CELEBRATION:

Engineer's Day was celebrated on 15<sup>th</sup> September, 2017 in memory of Sir M. Vishvesharaia. In Electrical Dept., activities like Essay Writing on 'Role of engineer in society', quiz competition, cleaning college campus and taking pledge to serve the society as an engineer were arranged for the day. A documentary on the life of M. Vishvesharaia and expert video lecture on Basic Electrical Engineering by Prof. Walter Lewin (MIT) was shown to the students. 120 students of Electrical Engg. participated in the program.

Applied Mechanics and Civil Engineering Departments celebrated Engineer's day in Vishvesharaia hall of the college. Two activities cum competitions, namely "Engineering Art" and "Building High" were held. More than 100 students of Civil Engg. participated in the celebration. Principal Dr. A. M. Prabhakar, gave the occasional address.

Electronics & Communication Engineering Dept. also celebrated Engineer's Day. Events like Quiz competition and Group discussion were organized in the department so as to initiate a competitive spirit among the aspiring engineers.



Quiz competition



Essay Writing competition



Building High



Engineering Art

**GANDHI JAYANTI CELEBRATION:**

Gandhi Jayanti was celebrated on 5<sup>th</sup> Oct. 2017 in Vishveshwariya Hall . Principal, Dr. A.M.Prabhakar, gave a talk on Gandhian philosophy and contribution to movement of independence. Around 255 boys and girls of the institute attended the talk. Videos on the life of Gandhiji were shown to the students.



Gandhi Jayanti celebration

**REPUBLIC DAY CELEBRATION:**

Republic day celebrations took place in the college campus on 26<sup>th</sup> Jan., 2018. The national flag was hoisted by Principal Dr. A.M.Prabhakar. The students having shown outstanding performance in academic and other activities were felicitated.



Republic day celebration

Various competitions like Group Discussion, Poster Making and Elocution were held as part of the celebrations. The theme of all these competitions was based on Nationalism and Patriotism.

Students performed dance and drama. Around 60 students participated in the cultural program and around 450 students were present in the entire program.



Posters made as part of competition.

A tableau displaying innovative projects by the students of the institute was moved around in the city of Modasa. Around 5000 people were witness to the tableau procession. The student representatives accompanied the tableau to answer the queries of the common man.



Tableau displaying innovative projects

### SPORTS WEEK-2018

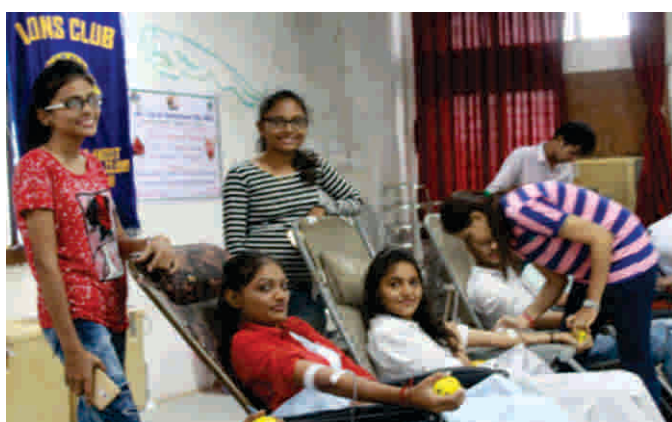
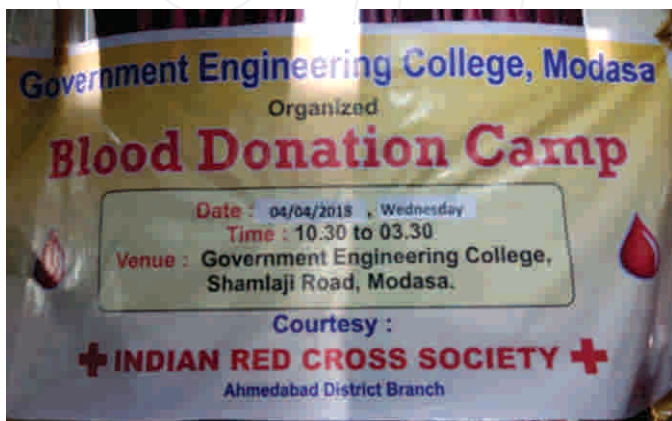
Sports week was celebrated from 15<sup>th</sup> to 22<sup>nd</sup> March, 2018 in the college campus. Games like Cricket, Football, Handball, Volleyball, Athletics, Badminton, Table Tennis, Tug of War, Kabbaddi and Arm Wrestling were played. A total of 850 boys and 200 girls took part in various events.



Sports week activities

### BLOOD DONATION CAMP:

A blood donation camp in association with Red Cross Society of India was held first on 31<sup>st</sup> Aug., 2017 in which 169 bottles of blood were collected. It was again held on 4<sup>th</sup> April, 2018 in which 161 bottles of blood were collected. Thalassaemia testing was done for the first year students. 500 students took this test.



Blood donation camp

### Dr. AMBEDKAR JAYANTI CELEBRATION:

Dr. Ambedkar Jayanti was celebrated on 12<sup>th</sup> April 2018. Prof. Dr. J G Metiya, Associate Professor and HOD, Department of History, Smt. C. C. Mahila & Sheth C. N. Commerce College, Visnagar was the expert for the event. He delivered a talk on "Contribution of Dr. B. R. Ambedkar in Making of Indian Constitution". More than 300 students along with 17 faculty were present in the program. The lecture was followed by a question answer session which aroused an interesting discussion on Reservation policy of Government of India.



Dr. Ambedkar Jayanti Celebration

## TECHNOTHON 2K18

The institute organized a technical event Technothon-2K18 on 13<sup>th</sup> April, 2018. The aim of this event was to explore the final and non-final year projects of students of various engineering courses for presentation of poster/ working model/prototype etc. It was compulsory for all the final year students and voluntary for the non-final year students. Students from technical colleges of Aravalli and Sabarkantha were invited for participation in the non-final year showcasing of projects. More than 280 projects of final and non-final year from various branches of Engineering were demonstrated in the event. For the Technothon evaluation, two experts from other colleges/Industry were invited in each branch. 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> winner projects from each department were awarded prize money of Rs. 2000, Rs. 1000 and Rs. 500 respectively. The event was inaugurated by Prof. Dr. K. P. Patel, Principal, P. T. Science College Modasa.

**Some projects demonstrated in different departments:**

### Civil Dept.



Enhancing seismic response of the structure using base isolation technique



Investigation of reinforcement coupler as replacement to lap splice

### Electrical Dept.



Smart Irrigation system



Hybrid e-bike

### Mechanical dept.



Design of coconut peeling machine



Frictionless magnetic brake



### Automobile Dept.



E-Diwheel



Utility vehicle with advanced technical feature

### Computer/IT Dept.



Computer dept. experts interacting with students



### Electronics & Communication Dept.



Smart Railway System with Wireless Control



Intelligent Prepaid Energy Meter Using GSM

### WORLD ENVIRONMENT DAY:

World environment day was celebrated on 5<sup>th</sup> June, 2018 in Vishveshwaraiya Hall in the Main building. The theme of the celebration was "Beat Plastic Pollution". Principal in charge Dr. S. M. Shah delivered a talk on the consequences of plastic pollution. Prof. Shivendra Jha put light on the history of Plastic Pollution and explained the importance of 3R's. All faculty who attended the program took pledge to save the environment. They also cleaned the college campus.



## SPECIAL EVENT

### PARTICIPATION OF COLLEGE STUDENTS DURING HON. PRIME MINISTER'S VISIT TO MODASA :

Hon. Prime Minister Shri. Narendra Modi dedicated water supply schemes based in Vatrak, Mazum and Meswo Dams at Modasa in Aravalli district on 30<sup>th</sup> June, 2017. He landed in the helipad in the campus of GEC Modasa. Around 500 plus students of the institute carrying banners and specially designed T-shirts participated in the program with a special theme of Swachhh Bharat. On this occasion, the campus of GEC Modasa was cleaned and updated by the PWD authorities



Hon. Prime Minister's Visit to Modasa

## STUDENT VISITS

### APPLIED MECHANICS DEPT.

Applied Mechanics Department organized a technical visit to Railway Engineering Workshop, D-Cabin, Sabarmati, Ahmedabad on 9<sup>th</sup> February 2018. About 60 students of 8<sup>th</sup> semester Civil engineering participated in the visit. The visit was coordinated by Prof. C.N.Patel and Prof. S. Jha.



Visit to Railway Engineering Workshop

### CIVIL DEPT.

A visit was conducted by Civil Engineering Department for the students of Sem 8 , on 19<sup>th</sup> March 2018 to Gujarat Engineering Research Institute (GERI) Vadodara.



Visit to GERI, Vadodara

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### **AUTOMOBILE DEPT.**

About 130 students of final year Automobile Engineering have taken 15 days industrial training in different automobile workshops all over Gujarat during vacation period.

### **ELECTRICAL DEPT.**

About 102 students of Sem. 8<sup>th</sup> Electrical Engg. accompanied by Prof. S.V.Banker, Prof. H. P. Vyas, and Prof. K.G.Kharadi, all Assistant Professors in Electrical Engg. visited GIDC, Modasa on 22<sup>nd</sup> Feb. 2018, to study Industrial Electrification.

About 92 students of Sem. 8<sup>th</sup> Electrical Engg. accompanied by Prof. H. P. Vyas, Assistant Professor in Electrical Engg. visited Punsari village to study rural electrification on 13<sup>th</sup> March, 2018. They studied about the power consumption in various rural activities.



Visit to Punsari Village

76 students of Final Year Electrical Engg. accompanied by four faculty, Prof. R.K.Kapadia, Prof. N.B.Panchal, Prof. H.P.Vyas and Prof. P.J.Thakor visited Adani Ltd., Mundra on 15<sup>th</sup>-16<sup>th</sup> Feb., 2018. They visited Adani Port where loading and unloading of cargo using specialized machinery was shown. They also visited Adani Wilmar Oil Refinery and Adani Power Plant having a capacity of 4620 MW.



Students during Adani Visit

About 102 students of Sem. 8<sup>th</sup> Electrical Engg. accompanied by Prof. C. K. Bariya, Prof. H.P.Vyas, Prof. K.G.Kharadi and Prof. P.J.Thakor, all Assistant Professors in Electrical Engg. visited the 220 kV substation at Dhansura on 15<sup>th</sup> March, 2018. The purpose of the visit was to give the students an idea about the substation layout, the equipments in the substation and their functioning.

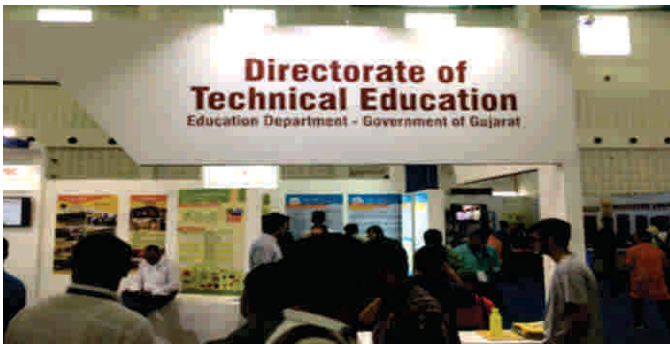


220 kV Substation visit at Dhansura

**ELECTRONICS & COMMUNICATION DEPT. :** Electronics & Communication Department organized a VLSI Webinar on “RTL Design and Functional Verification” on 31<sup>st</sup> Dec., 2017. 68 students benefited from the program.

**MECHANICAL ENGG. DEPT. :** In Mechanical Engg. Dept. a seminar was organized on “Building Automation Specialist and HVAC Technology” on 19<sup>th</sup> February, 2018 by Softcon India Pvt. Limited for 6<sup>th</sup> and 8<sup>th</sup> Semester Students. 39 students of semester 6<sup>th</sup> and 8<sup>th</sup>, Mechanical Engineering have taken vocational industrial training during their vacation in different industries across Gujarat.

**EDUCATION FAIR :** More than 250 students along with faculty, Prof. Priyank Shah , Prof. Pushprajsinh Thakor and Prof. Dron Chaudhary visited the Grand Education Fair organized by Education Department, Govt. of Gujarat at Gujarat University Convention & Exhibition Centre in Ahmedabad on 15<sup>th</sup> June, 2017 and 1<sup>st</sup> Feb. 2018. The students attended various seminars on Communication Skills, Leadership & Management, English proficiency , Time & Stress Management, Team Work etc.



Students at the Education Fair

**KEVADIA VISIT :** A visit to Kevadia colony was arranged by Civil, Electrical and Mechanical departments. Visit to the Narmada Canal Head regulator, River bed power house, Narmada dam and Statue of Unity was done. 54 students of Civil Engg. visited on 20<sup>th</sup> March, 2018. They were accompanied by Dr. N.G.Raval, Prof. Toral Vyas and Prof. J.P.Pandya. 100 students of Electrical Engg., accompanied by Prof., P.J.Thakor, Shri S.K.Panchal and Shri S.J.Patel visited on 26<sup>th</sup> March, 2018. 55 students of Mechanical Engg. visited on 27<sup>th</sup> March, 2018. They were accompanied by Prof. Sanket Bhatia, Prof. Jignesh Bhavsar and Shri. Vijay Bhavsar.



Narmada Dam - View of Spillway, Radial Gates Stilling basin



Students at the dam site

## PROJECTS

### 1. RUSA (Rashtriya Uchhatar Shiksha Abhiyan )

RUSA is approved by MHRD, Govt. of India and operated through Knowledge Consortium of Gujarat (KCG), Govt. of Gujarat, for strengthening and upgradation of higher education system in the state. Under RUSA, grant is provided by KCG under various components. Component 9 is the Equal Opportunity initiative and component 12 is for Vocationalization of Higher education.

Under component 9, this institute has received a grant of Rs. 2 lakh in the first phase and Rs. 3.87 Lakh in the second phase. Creative English Communication (CECC) program has been successfully conducted for 3 batches as part of this component. It was conducted by the dept. of Humanities. The duration of the course was 40 hours. 56 students have gone through various rigorous exercises of reading, writing, speaking and listening and have successfully completed the course.

Under component 12, the institute has received a grant of Rs. 10.87 lakhs. Students will be provided various kinds of trainings by National Skill Development Corporation (NSDC) approved trainers for attaining specific skills to enhance employability.



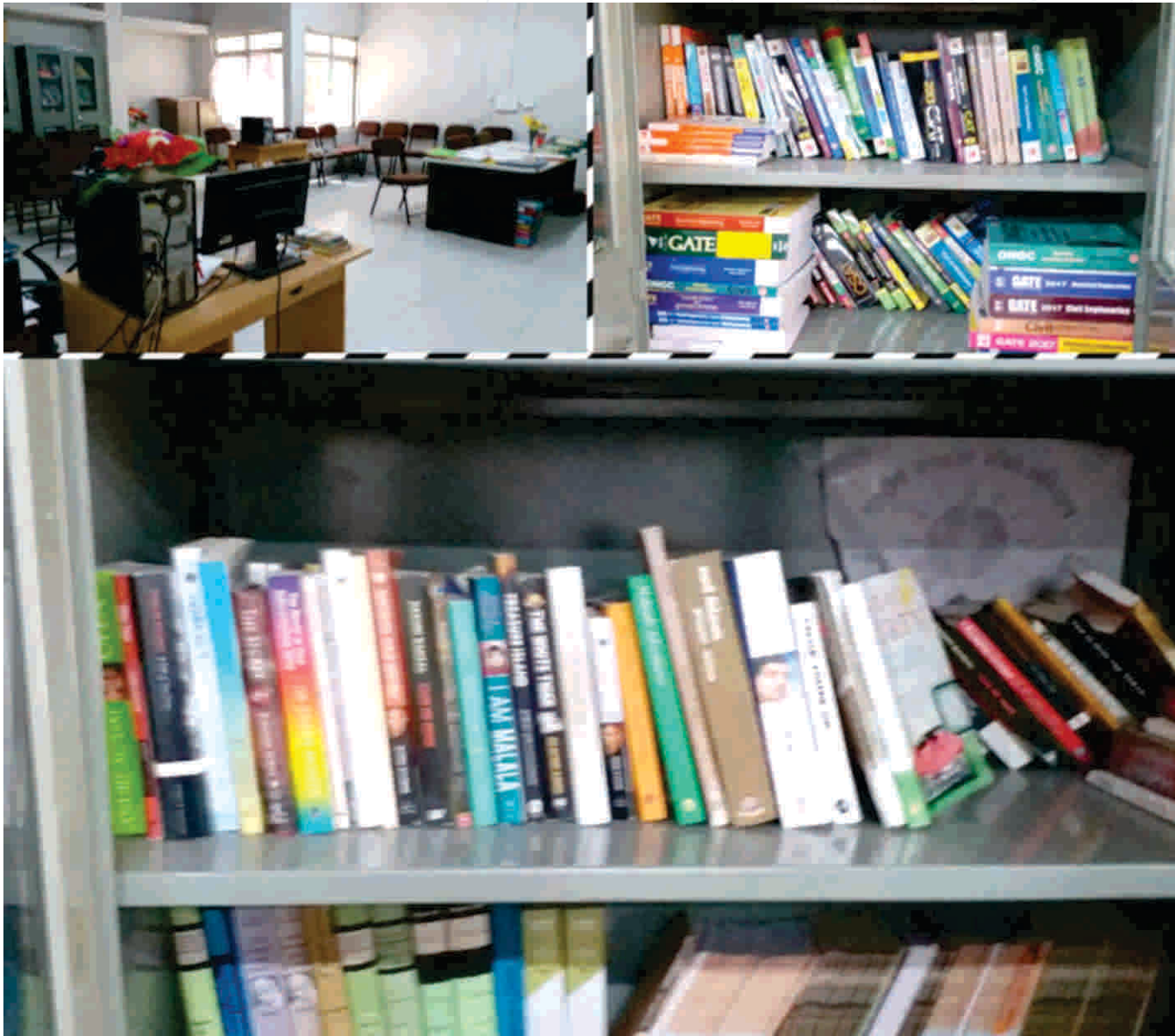
CECC Activity

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### **RUSA Library :**

A library has been developed under RUSA in the Main Building. This library has 90 books of English classic literature & communication. There are 108 books to help the students prepare for various competitive exams. Till date 609 students and 5 faculty members have taken benefit of these books.



RUSA Library

### **2. Finishing school**

The institute has run Finishing school program initiated by Education Dept., Govt. of Gujarat and coordinated by Knowledge Consortium of Gujarat (KCG) across the state. The Finishing School concept is exclusively for preparing the students for improving their communication skills, personality development and making them ready for facing various interviews. In all, about 200 students have taken advantage of the Finishing School.



Finishing school activity

### 3. SSIP (Student start up and Innovation Policy)

With a view to promote research, innovation and entrepreneurship, the Education dept., Govt. of Gujarat has implemented a Student Startup and Innovation policy (SSIP). In this regard the institute has received a grant of Rs. 20 lakhs to support the students in terms of prototyping, patenting, creation of pre-incubation facilities etc. An SSIP Awareness program was organized on 4<sup>th</sup> Jan., 2018 for the faculty of the college in Vishvesvaraiya Hall in the Main Building. Dr. C.N.Patel briefed the faculty about the working procedure and financial guidelines of the policy. About 100 faculty took advantage of the program. SSIP awareness programs were organized in all the seven departments to make the students aware of the same.

An exclusive SSIP cell with a space area of around 60m<sup>2</sup> and a net connectivity with 15 nodes has been created in the LRC building. This cell was inaugurated during the Technothon 2018. 21 identified projects will be scrutinized and evaluated for further processing of SSIP.



SSIP Awareness Program

### 4. Virtual laboratory

The institute has been selected as the nodal institute for virtual laboratory Project run by I.I.T., Mumbai. The objective of setting up the virtual lab is to provide remote access to the laboratories in various disciplines of Engineering. The students would get a complete learning Management system around these labs and can avail the tools for learning, including web-resources, video lectures, animated demonstrations and self evaluation.

### 5. Nodal Center under Project Anchor Nodal Scheme

The institute has been selected as a nodal center by DAIICT under the project Anchor Nodal Scheme of the Commissioner of Industries, in the sector of ICT. A number of faculty will be given advance training in the ICT sector at DAIICT. The institute will have to organize training programs at the institute level. This will help enhance the ICT possibilities of the institute.