CHAROTARUNIVERSITY OF SCIENCE AND TECHNOLOGY
Chandubhai S Patel Institute of Technology
Manubhai Shivabhai Patel Department of Civil Engineering

SUMMARY OF FEEDBACK FROM STAKEHOLDERS RECEIVED FROM STACK HOLDERS (Year 2016– 17)

1. Students should have a freedom for choosing subjects.
2. Experts from industries should be invited for the talks.
3. Different assessment tools should be considered as per course need.
4. Virtual Labs should be explored by teachers and students. This would help students in learning basic and advanced concepts.
5. Frequent site visits should be planned in all the courses.
6. Students should be place in industries for internship so that they can bridge the gap between actual field work and theories.

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ACTION TAKEN ON FEEDBACK FROM STAKEHOLDERS (Year 2016 - 17)

Suggestions given by stakeholders were considered and following actions have been taken.

- Choice Based Credit System (CBCS) was implemented from Year 2016-17, in which new courses are included in the curriculum as elective courses, which will give freedom for selecting the subjects. **(Annexure – I)**
- Experts from industries are invited for the talk to aware the students about real field scenario. **(Annexure – II)**
- As per requirement of the subject, faculty can introduce various assessment tools under pedagogy development as per the course requirements. Innovative pedagogy like group projects, software learning may be adopted. **(Annexure – I)**
- Implementation of virtual laboratories will be explored by the faculty members to enhance teaching –learning. **(Annexure – I)**
- Site visits are organized to enhance the practical knowledge of students. **(Annexure – III)**
- More practical exposure is given to the students by placing them in good industries for internship. **(Annexure – I)**

Vedanti M.U.

Ms. Mitali Vedanti
Assistant Professor

Dr. V. R. Panchal,
Professor and Head,
M S Patel Department of Civil Engineering,
CSPIT, CHARUSAT

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Annexure - I

Minutes – 14th Meeting of Board of Studies of Civil Engineering

Date : 26th August 2017, Saturday

Time : 10:30 am

Venue: Civil Engineering Department, CSPIT, CHARUSAT Campus

The 14th meeting of the Board of Studies (BOS), Civil Engineering, Faculty of Technology and Engineering, Charotar University of Science and Technology (CHARUSAT) was held as per schedule.

Following members were present:

1.	Dr. V. R. Panchal	Chairman	Professor and Head, Department of Civil Engineering, CSPIT
2.	Dr. Hiteshri Shastri	Internal Member	Asst. Professor, Department of Civil Engineering, CSPIT
3.	Ms. Neha Chauhan	Internal Member	Asst. Professor, Department of Civil Engineering, CSPIT
4.	Ms. Dipali Patel	Internal Member	Asst. Professor, Department of Civil Engineering, CSPIT
5.	Dr. N. C. Shah	External Expert	Director, Uka Tarsadiya University, Bardoli
6.	Dr. H. M. Patel	External Expert	Head, Department of Civil Engineering, Faculty of Technology and Engineering, The M. S. University of Baroda, Vadodara
7.	Prof. D. G. Panchal	External Expert	Dean, Faculty of Technology, D. D. University, Nadiad
8.	Dr. N. J. Mistry	External Expert	Professor (Retd.), Department of Civil Engineering, S. V. National Institute of Technology, Surat
9.	Dr. H. J. Dalwadi	Invitee	Visiting professor, Department of Civil Engineering, CSPIT
10.	Mr. Vijay Safaya	Invitee	Chemical Engineer, Department of Civil Engineering, CSPIT

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Following members could not remain present due to pre-occupation:

1.	Dr. Sanjay Dhiman	External Expert	Associate Professor, Civil Engineering Department, B. V. M. College of Engineering, V. V. Nagar
2.	Dr. Jay Shukla	External Expert	Asst. General Manager, L&T (S&L), Vadodara
3.	Mr. Ravikiran Vayidya	External Expert	Principal Engineer, Geodynamics, Vadodara
4.	Mr. Manoj Bhavsar	External Expert	Deputy General Manager, Global Post Tensioning Solutions Pvt. Ltd., Vadodara

Initiation:

Chairman welcomed all the members of BOS and invitees and introduced them and initiated the proceedings by taking up the agenda for discussion by members.

PROCEEDINGS AND RESOLUTIONS:

Agenda no. 14.01: For Confirmation: Approval of Minutes of the 13th BOS Meeting

Proceeding No. 14.01

Minutes of 13th Meeting of Board of Studies, Faculty of Technology & Engineering were circulated to BOS members in advance. Chairman outlined the summary and the actions taken on the received suggestions of 13th Meeting of Board of Studies and invited further comments.

Resolution No. 14.01

No comments were received on circulation of Minutes, so minutes of meetings were confirmed. The same is attached as **Annexure-I**.

Agenda No. 14.02: For Discussion: Review of results of Academic year 2016-17

Proceeding No. 14.02

Chairman presented the University Exam Results of the Academic Year 2016-17 semester wise and course wise to the Board members.

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Resolution No.14.02

The Board deliberated on the University Exam Results of the Academic Year 2016-17. The same is attached as **Annexure-II.** For the courses having more than 10% students' failure, following suggestions were given to improve the results in future.

1. A unit test may be conducted on every Saturday after the completion of one month of teaching.
2. Review of the syllabus/teaching scheme/examination scheme/Pedagogy may be carried out at suitable level to identify anomalies (if any).
3. The depletion of results of S.Y. B. Tech students was observed, which is mainly due to the inclusion of the Diploma to Degree students in the 3rd Semester.
4. Backlogs can be reduced by allowing detained students to attend theory classes of subjects in which they have failed.
5. Evaluation of the students should be done on the basis of their analytical skills, conceptual understanding, thinking and application capability rather than testing their memory strength.
6. More practical exposure should be given to the students by placing them in reputed industries for training during their summer vacation.
7. In few subjects, books approved by the AICTE were suggested for faculty reference.

Agenda No. 14.03: For Discussion: Review of question papers scrutiny report 2016-17

Proceeding No. 14.03

Chairman presented the question paper review report of the year 2016-17.

Resolution No. 14.03

Board members deliberated on the report which is attached herewith as **Annexure-III.** It was noted that majority of the question papers reviewed by the subject experts were of **"Good"** to **"Very Good"** Category and few were of **"Excellent Category"**. The external experts of the Board were of the opinion that the standard of question papers is generally of very good category. The following suggestion was given by the members.

1. To overcome grammatical mistakes in the question papers, Faculty Development Program for teachers, especially for English language, may be organised.

Agenda No. 14.04: For Approval: Consideration and Approval of Revised CBCS based B. Tech (Civil Engineering) Course Structure

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Proceeding No. 14.04

Based on the UGC recommendation, CHARUSAT had instructed Faculty of Technology to implement Choice Based Credit System (CBCS) from Academic Year 2016-17. Chairman presented revised B. Tech course structure of Civil Engineering (CBCS).

Resolution No. 14.04

Members deliberated on the revised B. Tech course structure of the Civil Engineering (CBCS). The revised B. Tech course structure of the Civil Engineering (CBCS) was approved and attached as **Annexure-IV**.

Agenda No. 14.05: For Approval: Consideration and Approval of Revised CBCS based M. Tech (Civil-Structural Engineering) Course Structure

Proceeding No. 14.05

Chairman presented revised M. Tech course structure of Civil Engineering (CBCS).

Resolution No. 14.05

Members deliberated on the revised CBCS based M Tech (Civil-Structural Engineering) Course Structure. The revised CBCS based M. Tech (Civil-Structural Engineering) Course Structure was approved and attached as **Annexure-V**.

Agenda No. 14.06: For Approval: Consideration and Approval of new CBCS based B. Tech 3rd year (Civil Engineering) syllabus

Proceeding No. 14.06

Based on the approved 3rd year CBCS course structure for B. Tech (Civil Engineering) the syllabi for subjects was prepared by a group of senior faculty members and the subject teachers in consultation with Professor and Head, Department of Civil Engineering, CSPIT. Chairman presented CBCS based B. Tech 3rd year (Civil Engineering) syllabus.

Resolution No. 14.06

Members deliberated on the proposed CBCS based B. Tech 3rd year (Civil Engineering) syllabus and following suggestions were given:

1. Fluid Mechanics - II (CL372) syllabus may be revised to remove the Compressible flow and hydraulic machinery should be given higher weightage.
2. In Concrete Technology (CL342) syllabus, self-compacting concrete may be included.

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3. In Structural Analysis-III (CL378), weightage given to different units may be revised and list of experiments in Structural Analysis-II (CL341) and Structural Analysis-III (CL378) may be added.
4. Total contact hours/week of revised B. Tech and M. Tech CBCS course structure should be reduced to 33 hours from 36 hours.

The Board approved detailed T. Y. B. Tech Civil Engineering syllabus (CBCS) after incorporating the above suggestions are attached as **Annexure - VI.**

Agenda No. 14.07: For Approval: Approval of panel of examiners

Proceeding No. 14.07

The List of panel of examiners for Civil Engineering was presented by the Chairman.

Resolution No. 14.07

The List of panel of examiners for Civil Engineering was approved by the Board. The Panel of Examiners for Civil Engineering is attached as **Annexure - VII.**

Agenda No. 14.08: For Discussion: Pedagogy & Suggest improvement for modification

Proceeding No. 14.08

The current Pedagogy of different subjects was presented by the Chairman.

Resolution No. 14.08

Members deliberated on the Pedagogy. The same is attached as **Annexure -VIII.** Members emphasized on the following:

1. MHRD in collaboration with IITs have developed virtual labs and made them freely available to Engineering Institutions. All advanced Technological Institutions like IITs, NITs, etc. have adopted the concept of virtual laboratories in their teaching learning system. Therefore, implementation of virtual laboratories may be explored by the faculty members.
2. Innovative pedagogy like group projects, software learning may be adopted at M. Tech level.

Agenda No. 14.09: For information: NBA Accreditation

Proceeding No. 14.09

Chairman briefly provided information regarding obtaining the NBA accreditation as a University policy. However, the Civil Engineering Department can't go for the NBA

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accreditation in the current academic year due to low faculty-student ratio in the past academic years.

Resolution No. 14.09

Members suggested to improve the faculty-student ratio before going for the NBA Accreditation.

Agenda No. 14.10: For Discussion: Implementation of Outcome Based Education (OBE)

Proceeding No. 14.10

Chairman briefly provided information regarding the OBE and invited suggestions from expert members.

Resolution No. 14.10

The following suggestions were given by the board members:

1. Emphasis should be given on the project work.
2. Theory and practical should go simultaneously.
3. Faculty and students should be involved in live projects with industries.
4. Application oriented teaching should be practiced.

Agenda No. 14.11: For Discussion: Examiner feedback review

Proceeding No. 14.11

A brief overview of the process of taking examiners feedback was given to the board members by the Chairman. The existing feedback forms were shown to the board members along with proposed feedback form.

Resolution No. 14.11

Re-designing of the proposed feedback form was suggested by the board members. The feedback form after incorporating suggestions given by board members is attached as **Annexure-IX**.

Agenda No. 14.12: For Discussion: New Programmes

Proceeding No. 14.12

Chairman invited suggestions on proposed engineering courses that may be taken up in future.

Resolution No. 14.12

The following suggestions were given by the board members.

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1. In general, super specialization courses at B. Tech level are observed as an unsuccessful experiment. The university should focus on operating on the fundamental engineering B. Tech. and the specialized M. Tech courses.
2. Board members suggested to start a new course in M. Tech. (Environmental Engineering)/ Construction Engineering and Management.

Agenda No. 14.13: For Discussion: Massive Open Online Courses (MOOCs) on SWAYAM Platform

Proceeding No. 14.13

Chairman gave a brief overview about the university initiative about the SWAYAM courses and informed that UGC has also issued UGC Regulations 2016, to allow credit transfer up to 20% on the basis of MOOCs on SWAYAM.

Resolution No. 14.13

Board members suggested to identify the MOOCs related to Civil Engineering from SWAYAM Platform, which can be offered to the students of Civil Engineering and put the same before Board of Studies for approval.

As there was no other item, the meeting was concluded with a vote of thanks by the Chairman.

Dr. Vijay Panchal
Chairman
Board of Studies (Civil Engineering)

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CSPIT CHANGA

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Annexure - II

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY (CHARUSAT), CHANGA – 388 421

Chandubhai S. Patel Institute of Technology

M. S. Patel Department of Civil Engineering

Event Report

Name of Event :	Expert Lecture on 'Non Destructive Testing on Piles'
Date and Time of Event :	11th April 2017, 12:00 Noon -02:00 PM
Event coordinator :	Prakash Dabhi, Mehul Katakiya, Pinki Sharma, Sraswati Pathariya
Resource person details (if any):	Ravi Kiran Vaidya , Managing Director of Geo-Dynamics, Vadodara

Sr. No.	Name of the resource person	Organization of resource person
1	Ravi Kiran Vaidya	Geo-Dynamics

Event Schedule:

Date	Time	Activity
11/04/2017	12:00 Noon -02:00 PM	Expert Lecture

Summary of the Event (Maximum 200 words):

Non-destructive testing on field piles to evaluate construction quality and bearing capacity of foundation. It includes integrity testing and dynamics pile testing. Mr. Ravi Kiran Vaidya has a wide experience in the field of Non Destructive Testing of Pile Foundations & Super Structures". M S Patel Department of Civil engineering organized the expert lecture in order to tap Mr. Dr. Ravi Kiran Vaidya's expertise in the field for the students of 3rd year and students of masters.

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Registration fee (if any): NIL

No. of Participants: 133

List of Participants: (Find Enclosure)

Amount sanctioned by CSPIT/CHARUSAT:

Accounts details:

Sr. No.	Details	Rupees
Income		
1.		NIL
2.		
3.		
Expenses		
1.	Remuneration of 1 hour lecture	1000
2.	Transportation allowance(V.V.Nagar to Changa)	300
Total		1300

Overall impact of workshop: Very Good

Photographs of the event with captions (at least six photographs):

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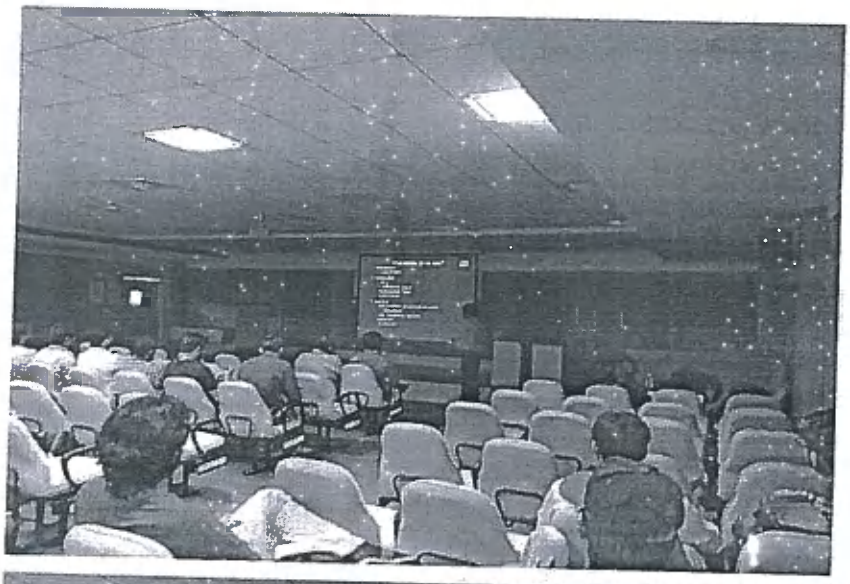

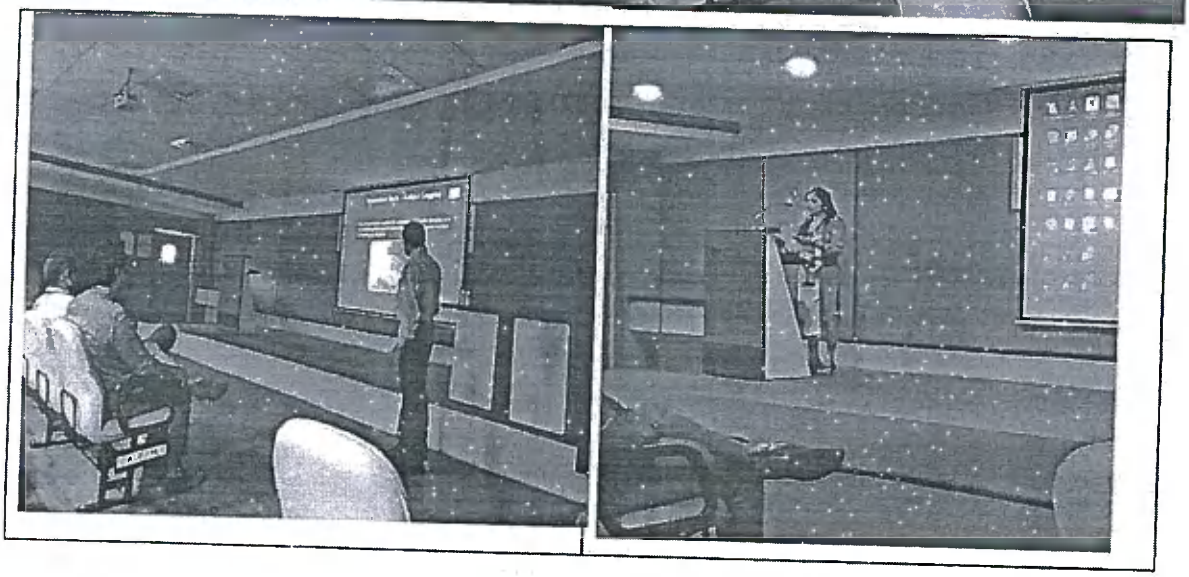

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Coordinator Sign:

Prakash Dabhi
Mehul Katakiya
Pinki Sharma
Saraswati Pathariya

Head of Department Sign:

Attendance

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CHARUSAT UNIVERSITY OF SCIENCE AND TECHNOLOGY (CHARUSAT), CHANGA – 388 421

Chandubhai S. Patel Institute of Technology

M. S. Patel Department of Civil Engineering

Event Report

Name of Event : **Guest Lecture on "Global Climate Change and Carbon Capture Storage"**

Date and Time of Event : **23/01/2017 (12.30 to 2.30 pm)**

Event coordinator : Dr.V.R.Panchal, Shweta Sharma and Mitali Vedanti

Resource person details (if any):

Sr. No.	Name of the resource person	Organization of resource person
01	Mr. Ghanshyam Patel	CIFC Pvt. Ltd, New Delhi.

Event Schedule:

Date	Time	Activity
23rd January 2017	12.30-12.40	Welcome Speech
	12.40 pm to 2.00 pm	Lecture on Global Climate Change and Carbon Capture Storage followed by discussion

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Summary of the Event (Maximum 200 words):

Earth's average temperature has risen by 1.5°F over the past century, and is projected to rise another 0.5 to 8.6°F over the next hundred years. Rising global temperatures have been accompanied by changes in weather and climate. Many places have seen changes in rainfall, resulting in more floods, droughts, or intense rain, as well as more frequent and severe heat waves. By looking it in mind, Society of Civil Engineering organized a guest lecture on Global Climate Change and Carbon Capture Storage on 23rd January 2017. The expert from the field shared various new techniques related to carbon storage and revealed numerous facts related to climate change and carbon storage.

Registration fee (if any): Nil

No. and List of Participants: Attached

Amount sanctioned by CSPIT/CHARUSAT: Nil

Accounts details:

Sr. No	Details	Rs
Expenses		
1	Banner	228.00
2	Honorarium	2000.00
3	Flower bouquet	300.00
	Total	**2528.00**
	Fund taken from SCE	**2528.00**

Overall impact of workshop: Excellent

Photographs of the event with captions :

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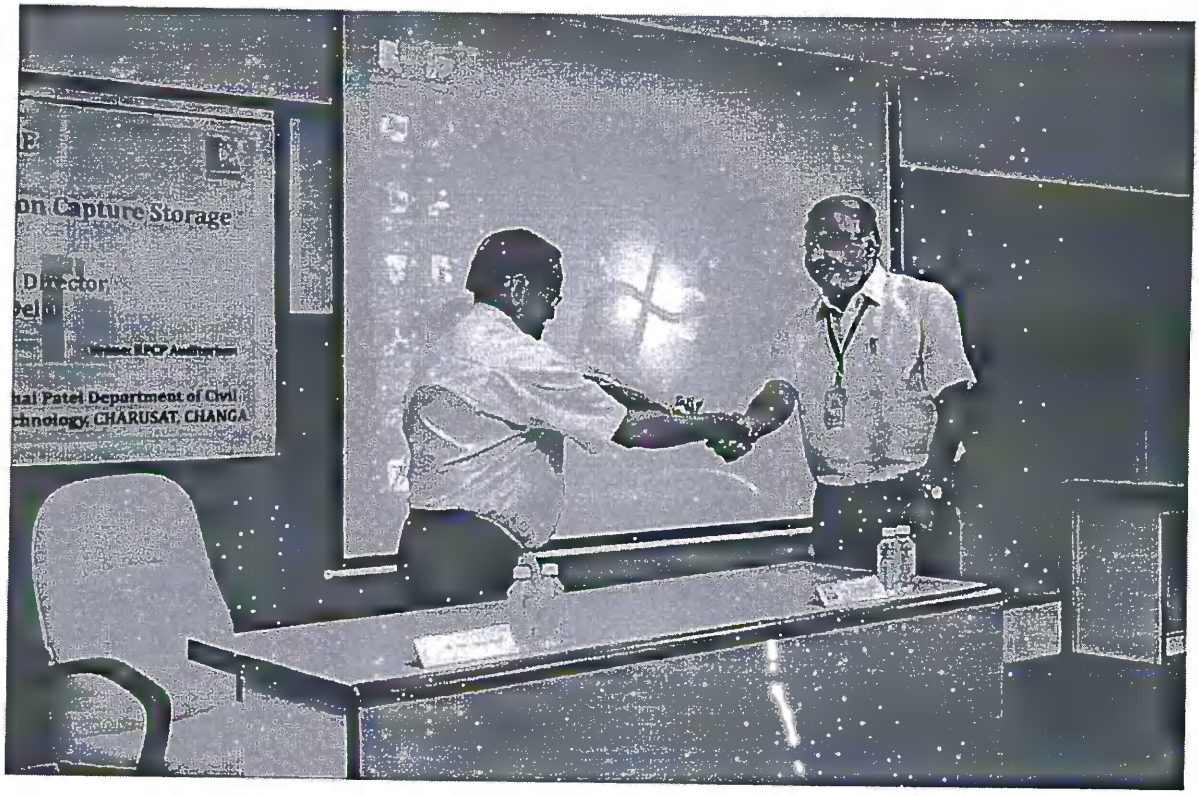
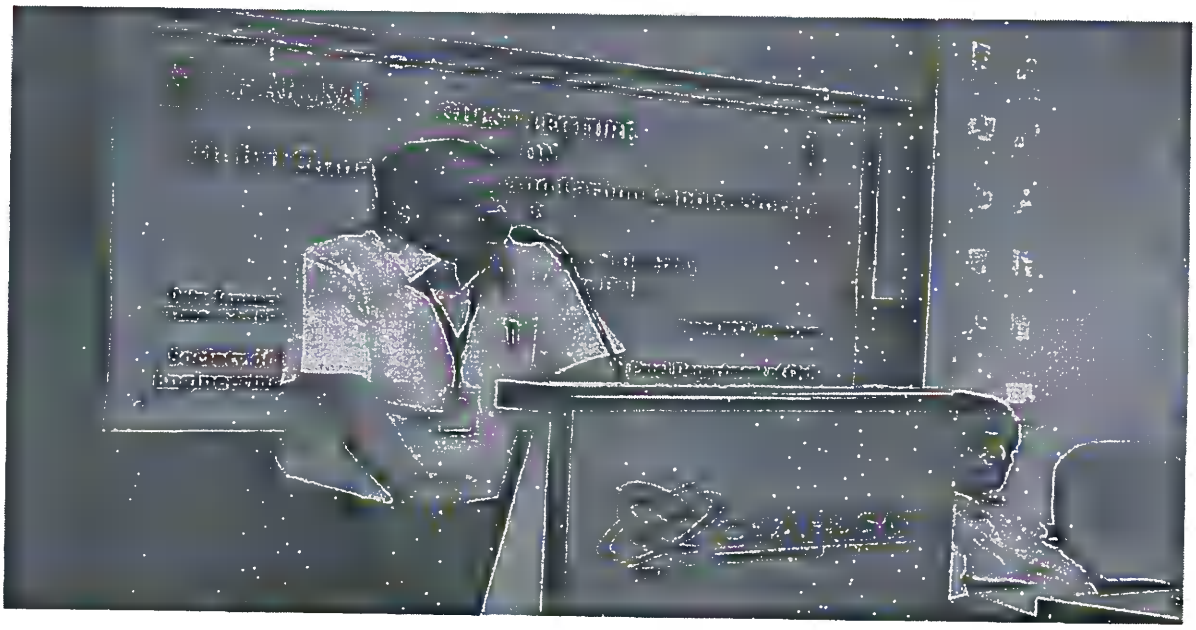
1) Welcome of guest by HOD sir



2) Welcome address by HOD sir



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3) Faculties of Civil Department

4) Participants of Guest Lecture

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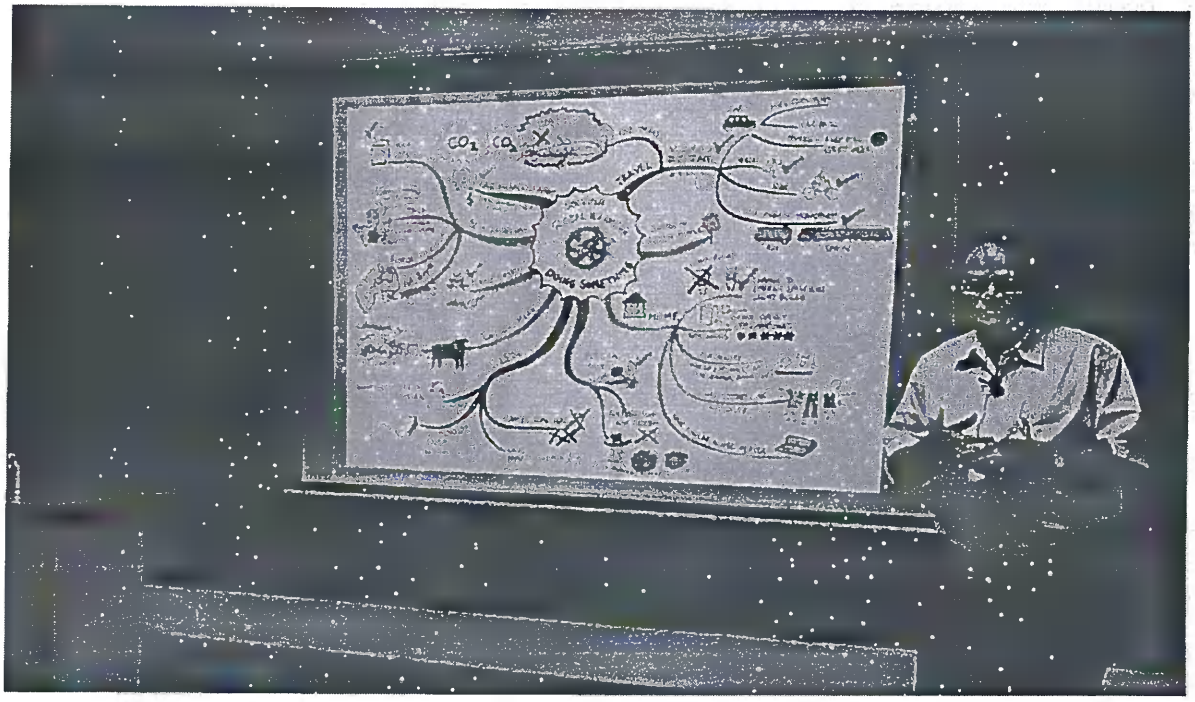
5) Guest person with his presentation



6) Discussion Session

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Annexure - III

CHARUSAT UNIVERSITY OF SCIENCE AND TECHNOLOGY (CHARUSAT), CHANGA – 388 421

Chandubhai S. Patel Institute of Technology

M. S. Patel Department of Civil Engineering

Event Report

Name of Event : Visit to Sardar Sarovar Dam and Statue of Unity

Date and Time of Event : 13/04/2017

Event coordinator : Mr. Jay Bhavsar, Ms.Neha Chauhan

Resource person details (if any): Not Applicable

Sr. No.	Name of the resource person	Organization of resource person
-	-	-

Event Schedule:

Date	Time	Session	Activity
13/4/2017	7:00am to 6:00pm	• Visit of Statue of Unity • Visit to Sardar Sarovar Dam • Visit to River Bed Power House • Visit to Canal Head Power House	-

Summary of the Event (Maximum 200 words):

A visit of M.Tech Civil Structural Engineering students were organized on 13/4/2017. Total 30 students and 2 Faculty members were part of the team. The teams reach at 11:30 am at the site of Sardar Sarovar Dam. The first place Visited at site was Statue of Unit which is 3km from downstream of the Sardar

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sarovar dam a manmade island. Students observed the ongoing construction work at site, Local guide provided basic information of Statue of unity, The total height of the statue from its base will be 240 meter consisting base level of 58 meter and statue of 182 meter, double height of the statue of Liberty, it is to be located facing the Narmada Dam, and it will be the tallest statue in the world when completed.

The next place visited is River bed power house, to visit this place we traveled through 50 m underground tunnel. Students observed the structural aspect of River bed power house. They were explained about the function of river bed power house and turbine used to produce the hydroelectricity. Students also saw the various Steel frame work, such as truss system, Diapharam wall, Gantry girder and connection details.

The next visit was of Sardar Sarovar Dam, The dam was concrete gravity dam, Length of main dam: 1210.02 m. Top R.L. of dam: 146.50 m. The students are explained about the geometry of dame, Spillway system, and Gate system and reservoir details. After this visit the canal head power house visited this is smallscale surface hydraulic power generating plant, here student visited the control room where company engineer explained them the working system of power plant and provided information of turbine which is used to generate electricity.

Registration fee (if any): NIL

No. of Participants:30 students , 2 faculties

List of Participants:

Sr No	Roll No	Student Name
1	16PGCL001	ANASWALA MUSTUFA JUZERBHAI
2	16PGCL002	BHAYANI VISHALKUMAR MANOJBHAI
3	16PGCL003	DESAI JAY ANANDKUMAR
4	16PGCL004	DHUNDHIYAWALA HOJEFA HASIMBHAI
5	16PGCL005	FALDU SMEET BIPINBHAI
6	16PGCL006	GAJJAR VISHALKUMAR VISHNUBHAI
7	16PGCL007	HANDIWALA UDAY HARESHKUMAR

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8	16PGCL008	JIRUWALA ABDEALI KUTBUDDIN
9	16PGCL009	JIVANI RUSHIKESH BABUBHAI
10	16PGCL010	JOSHI MEET MUKESHBHAI
11	16PGCL011	KAKADIYA YAGNIKKUMAR GIRISHBHAI
12	16PGCL012	KANTARIYA JITENDRAKUMAR HIRALAL
13	16PGCL013	KAZI MOHAMMEDSAHAL MUSTAKALI
14	16PGCL014	PANDYA PARIKSHITBHAI VAJERAMBHAI
15	16PGCL015	PANSURIYA DISHANT ASHOKBHAI
16	16PGCL016	PATEL BHAUMIKKUMAR ISHVARBHAI
17	16PGCL017	PATEL MAULIK PARESHKUMAR
18	16PGCL018	PATEL PARAS MUKESHBHAI
19	16PGCL019	PATEL PARTH KIRANKUMAR
20	16PGCL020	PATEL SRUSHTI SHAILELHKUMAR
21	16PGCL023	RANA DARSHANKUMAR RAJENDRAKUMAR
22	16PGCL024	RATHOD YUVRAJSINH HIMMATSINH
23	16PGCL025	RAVAL KEWAL JAGDISHBHAI
24	16PGCL027	SAILOR AISHWARYA MAHENDRABHAI
25	16PGCL028	SHAH PRANAV PARAGBHAI
26	16PGCL030	SUKHADIA KARNAV BIMALKUMAR
27	16PGCL031	SUTHAR DARSHAK CHANDRAKANTBHAI
28	16PGCL032	TEJANI KEYURKUMAR RAJESHBHAI
29	16PGCL033	THAKKAR AASHIK KAUSHIK
30	16PGCL034	THUMMAR AKASHKUMAR JAYSUKHBHAI

Certified By:

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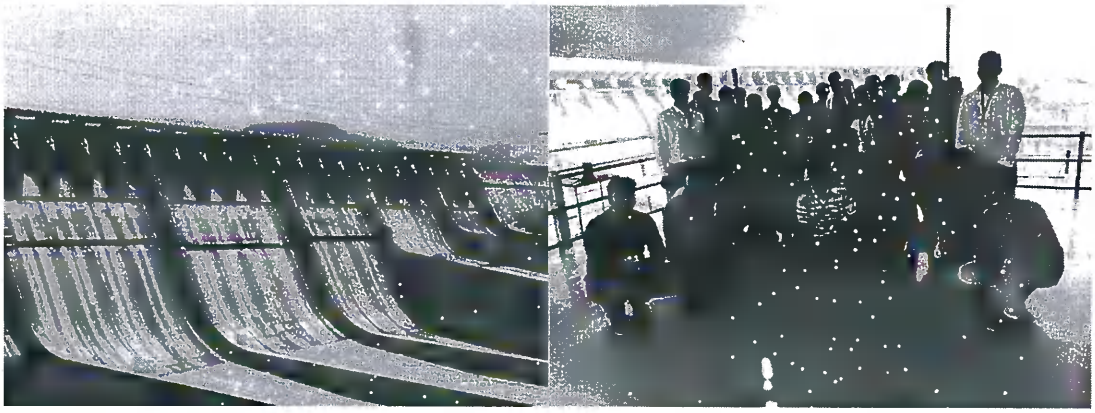
Amount sanctioned by CSPIT/CHARUSAT: RS. 19374

Accounts details:

Sr. No.	Details	Rupees
Expenses		
1.	Breakfast	1105
2.	Lunch	4620
3.	Entry pass	185
4.	Guide	300
5.		
6.		
Total	RupessSix Thousand Two hundred Ten	6210

Overall impact of Visit: Very Good

Photographs of the event with captions (at least six photographs):



Sardar Sarovar Dam Site

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Chandubhai S. Patel Institute of Technology

M. S. Patel Department of Civil Engineering

Event Report

Name of Event : Visit to Hydrometerology data collection center at Anand Agriculture University (AAU)

Date and Time of Event : March 27, 2017; 10.00 am to 3.30pm

March 28, 2017; 10.00 am 10.00 am to 3.30pm

Event coordinator : Ms. Hiteshri Shastri, Prof. H.J. Dalwadi & Ms. Pinal Patel

Resource person details (if any):

Sr. No.	Name of the resource person	Organization of resource person
1	Dr. M. Kulshrestha, Professor and Head 8511185971(M) Kushl22003@yahoo.co.in	AGRICULTURAL METEOROLOGY, AAU, Anand
2	Dr. S. B. Yadav, Assistant Professor 02692-261426(0) 09574716144 (M)	AGRICULTURAL METEOROLOGY, AAU, Anand

Event Schedule:

Date	Time	Session	Activity
March 27/28, 2017	10.45-11.00	Welcome address by Dr. S. B. Yadav	Meteorological observation : importance
March 27/28, 2017	11.00-11.45	Visit to the observatory	Field visit to the different working instruments
March 27/28, 2017	11.45-12.45	Discussion and Information	Question answer & Video lecture

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CHARUSAT CAMPUS, CHANGA

March 27/28, 2017	01.00-02.00	Lunch	Working lunch arranged for all the students at the Farmer's hostel

Summary of the Event (Maximum 200 words):

The bus started from campus at 10am, reach the AAU campus at 10.45pm. the students were first taken to the lecture hall of meteorological department of AAU, there they obtained information about the department, and activities undertaken for the meteorological data collection, conservation and distribution as well as the extension activities for the farmers. After the introductory session the students were divided into two groups for visiting the meteorological observatory at the field. The working principles and functioning of different instruments for making meteorological observation of rainfall, sunshine, wind, evaporation, transpiration, air and soil temperature, radiation balance, and automatic weather stations were explained to the students. A session of question answer was taken after the observatory visit. Video lectures of the data collection and distribution as well as climate change was played for realizing the need for meteorological data in various fields science.

Students were taken for lunch at Farmer's Hostel (Tribhuvan Chatralay) after the visit.

Bus started back for campus at 2.30pm and reached the campus at 3.15pm.

The students attendance were marked in bus during both to and fro journey during the visit by Dr. Hiteshri Shastri.

Registration fee (if any): ----------No fees collected from the students----------

No. of Participants: 48 students on 27 March 17 and 58 students on 28 March 17.

List of Participants: Enclosed (Encl:1)

Sr. No.	Name of participant	ID No.
1.		
2.		

Certified By:

REGISTRAR
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

Amount sanctioned by CSPIT/CHARUSAT: 21,750 /-
(Twenty one thousand seven hundred fifty only)

Accounts details:

Sr. No.	Details	Rupees
Income : ----------Nil--------- No advance money or fees collected		
1.		
2.		
3.		
Expenses : ----------		
1.	A food bill for both -27-28 March 17	7500/-
2.	Transportation arranged by the University	==
Total		7500/-

Overall impact of workshop: Excellent/Very Good/Good/Average/Poor

Photographs of the event with captions (at least six photographs):

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