

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

ANALYSIS OF CURRICULUM FEEDBACK RECEIVED FROM STACK HOLDERS

(Year 2018 - 19)

1. The feedback received from students revealed that the students are satisfied with the teaching methodologies (except unit test) and curriculum. Students expressed their satisfaction in understanding most of the subjects.
2. The feedback received from Alumni students revealed that all the courses were taught well and the content was covered well. It helped them for performing better.
3. Projects should be given to students.
4. More practical aspects should be introduced into learning by introducing various assessment tools. Activity based courses should be introduced.
5. Environmental Sciences course pedagogy should be modified.

Certified By:


REGISTRAR
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHARUSAT CAMPUS, CHANGA

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

ACTION TAKEN ON FEEDBACK FROM STAKEHOLDERS (Year 2018 - 19)

Suggestions given by stakeholders were considered and following actions were discussed and implemented.

- Change of teaching and examination scheme of Environment Sciences was made which will be implemented from year 2019-20: (Annexure – I)

Evaluation	Pedagogy
External	Practical Examinations, Presentation with Repo. t, Case Studies, MOOCs, etc. (70 Marks)
Internal	Attendance (5 Marks)
	Continuous Evaluation (From Quiz, Assignments, Seminars, Projects, Presentation, etc.-25 Marks)

- For raising awareness about the 17 SDGs, their targets and the 2030 Agenda for Sustainable Development amongst youth, build a platform for discussion, and create conditions for their active engagement, SDG Handprint Laboratory was introduced in B. Tech. Semester 3 as University Elective and implemented from year 2019-20. (Annexure – I)
- Following methods of learning are adopted: (Annexure – I)
 - Taking presentations so that students can learn to present themselves.
 - Teachers' Blog/ Google Classroom
 - Students' participation in various technical events / workshops / Expert Talks / Field Visits
 - MOOCs / NPTEL online courses
 - Involving students in projects
- Faculty members have introduced various assessment tools under pedagogy as per the course requirements. (Annexure – I)

Vedanti M. V.
Ms. Mitali Vedanti
Assistant Professor

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

Certified By:

Dr.
REGISTRAR
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHARUSAT CAMPUS, CHANGA

Annexure - I

Minutes – 17th Meeting of Board of Studies in Civil Engineering

Date : 31st August 2019, Saturday

Time : 10:00am

Venue: Civil Engg. Dept., CSPIT, CHARUSAT

The 17th 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 above schedule.

Following members were present:

1.	Dr. V. R. Panchal	Chairman	Professor & Head, Department of Civil Engineering, CSPIT
2.	Ms. Neha Chauhan	Internal Member	Asst. Professor, Department of Civil Engineering, CSPIT
3.	Ms. Dipali Patel	Internal Member	Asst. Professor, Department of Civil Engineering, CSPIT
4.	Dr. Hiteshri Shastri	Internal Member	Associate Professor, Department of Civil Engineering, CSPIT
5.	Dr. N. C. Shah	Invitee	Advisor, Uka Tarsadiya University, Bardoli
6.	Dr. H. M. Patel	External Expert	Professor, 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. Jay Shukla	External Expert	Principal Engineer, Geodynamics Vadodara
9.	Dr. Sanjay Dhiman	External Expert	Associate Professor, Civil Engineering Department, B. V. M. College of Engineering, V. V. Nagar

10.	Mr. Bhavin Shah	External Expert	Chief Executive officer (CEO) VMS Engineering & Design Services Pvt. Limited, Ahmedabad
11.	Dr. Bimal A Shah	External Expert	Associate Professor & Head, Applied Mechanics Department, M. S. University of Baroda, Vadodara
12.	Dr. Sharad Purohit	External Expert	Professor, Department of Civil Engineering, Institute of Technology Nirma University, Ahmedabad
13.	Mr. Indranil Basu	External Expert	Senior Deputy General Manager, L & T Power, L&T Knowledge City, Vadodara

Initiation:

Chairman welcomed members of Board of Studies (BOS) and introduced them and initiated the proceedings by taking up the agenda for discussion by members.

Proceedings & Resolutions:-

Agenda No. 17.01: For Confirmation: Approval of Minutes of the 16th BOS Meeting

Proceeding No. 17.01

Minutes of 16th Meeting of BOS, Faculty of Technology & Engineering were circulated to BOS members in advance. Chairman outlined the summary and the actions taken on the received suggestions of 16th Meeting of Board of Studies and invited further comments.

Resolution No. 17.01

As no comments were received on circulation of Minutes, the minutes of meetings were confirmed. The same are attached as **Annexure - 1**.

Agenda No. 17.02: For Discussion: Review of Results of Academic year 2018-19

Proceeding No. 17.02:

Chairman presented the University Exam Results B. Tech and M. Tech of Academic Year 2018-19 semester wise and course wise to the Board members. The same is attached as **Annexure - 2**.

Resolution No. 17.02

The Board deliberated on the courses which were having more than 10% failure. Following suggestions were given by the Board to improve the results in future:

1. Engineering Graphics Subject can be shifted to 2nd semester as students do not have imaginative and creative thinking in 1st semester.
2. Encourage student to refer more books for analytical subjects.
3. Starter Courses including outline of role of engineering society should be given to newly admitted students to increase their analytical skills.
4. Mathematics subject should be continued up to 6th semester.

Agenda No. 17.03: Discussion: Placements activities carried out in Academic year 2018-19

Proceeding No. 17.03:

Chairman presented details of placement activities carried out in Academic year 2018-19 and briefed about the placement details of students. The details are attached as **Annexure - 3**.

Resolution No. 17.03

Following suggestions were given by the Board to improve the placement in future:

1. Conduct AMCAT employability test to check the aptitude, technical skills, mental ability and reasoning skills of candidates seeking a job with top MNCs.

Agenda No. 17.04: Discussion: Research Activities, Projects and Consultancy, etc. carried out during AY 2018-19

Proceeding No. 17.04:

Chairman presented the details of research activities, projects and consultancy carried out in Academic year 2018-19 and briefed about the same. The details are attached as **Annexure - 4**.

Resolution No. 17.04

Board members appreciated efforts made by members of Environment Audit Cell. Following suggestions were also given by the Board to improve research activities and projects in future:

1. Faculty members involved in Audit of industries should take up consultancy projects of Environmental Impact Assessment (EIA).

Certified By:



REGISTRAR
CHARVAT UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHARUSAT CAMPUS, CHANGA

Agenda No. 17.05: Discussion: Review of question papers scrutiny report 2018-19

Proceeding No. 17.05:

Chairman presented the question paper scrutiny report of question papers of the year 2018-19. Board members deliberated on the report. The report is attached as **Annexure - 5**.

Resolution No. 17.05

Board members 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. Question Paper should be drawn as per Bloom’s Taxonomy.
2. Take question paper feedback from NIT faculties, also.
3. Student should be educated about the question paper pattern.

Agenda No. 17.06: Discussion: Admission and Quality of Inputs

Proceeding No. 17.06:

Chairman gave brief note about the admission of current year and invited suggestions to improve admission in future. The details are attached as **Annexure - 6**.

Resolution No. 17.06

BOS members remarked on the falling demand of Civil engineering and emphasised the requirement of enhanced outreach activity, by which the common public can be sensitized about Civil engineering

Board suggested the following activities:

1. Increase Placements
2. Give More Weightage to Hands on training
3. Increase Industry Liaison.
4. Invite Faculty members from IITs and NITs as Adjunct Professors.
5. Conduct Civil engineering competitions and workshops at school level to enhance the awareness.
6. Undertake Civil engineering projects from nearby villages and extend free consultancy services.
7. Motivate students to adopt villages nearby and solve the civil engineering issues by way of projects.
8. Expose students to international civil engineering practices.

Certified By:



Agenda No. 17.07: Approval: Review and approval of course structure and First and Second Year syllabi of CBCS based B.Tech. (Civil Engineering) program to be implemented for the students, who are enrolled in AY 2019-20.

Proceeding No. 17.07:

Chairman presented course structure and First (CL142.01, CL142A.01 and CL143) and Second Year syllabi of CBCS based B.Tech. (Civil Engineering) program. Members deliberated on the course structure and First and second year syllabi. The details are attached as (Annexure - 7a).

Chairman gave brief note about the modification made in teaching and examination schemes of Environmental Sciences course (CL142/CL142A) (which is being offered across the University in Theory mode during odd and even semesters) and informed new course code (CL142.01/CL142A.01).

Chairman informed about the revisions in the credits of few subjects, which has resulted in reduction in the total credits of B. Tech course structure to be earned by the students (who are enrolled in Academic Year 2019-20) from 192 to 176.

Resolution No. 17.07

Board reviewed and granted approval to course structure of CBCS based B. Tech (Civil Engineering) along with its first and second year syllabi and total credits (for students enrolled in 2019-20). Board also approved new course code of CL142/CL142A and modification made in teaching and examinations schemes of the course. Following suggestions were also given by the Board:

1. Environmental Sciences course should be of 01 credit.
2. Communication Skills subject should be practical based.
3. Civil Engineering related mechanics should be taught in Engineering Physics as per AICTE model Curriculum.

Agenda No. 17.08: Approval: Review and approval of course structure and Third Year syllabus of CBCS based B.Tech. (Civil Engineering) program (for students enrolled in AY 2018-19)

Certified By:



REGISTRAR

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHARUSAT CAMPUS, CHANGA

Proceeding No. 17.08:

Chairman presented course structure and Third Year syllabus of CBCS based B.Tech. (Civil Engineering) program. Members deliberated on the course structure and third year syllabus. The details are attached as (Annexure – 7b).

Resolution No. 17.08

Board reviewed and granted approval to course structure of CBCS based B. Tech (Civil Engineering) along with its third year syllabus (for students enrolled in 2018-19). Following suggestions were also given by the Board:

1. Estimation and Valuation course should be offered at third year level, if possible.
2. Earthquake Engineering course should be offered as compulsory subject, if possible.
3. Number of Courses of B. Tech. 7th semester should be reduced, if possible.
4. Credit should be given to tutorials as per AICTE model Curriculum.
5. Tutorial should be removed from CL 349 syllabus.
6. Term “NDT” should be used in place of “UPV” in CL 349 and remove rebound hammer test.
7. In CL 352, increase the weightage of diversion head works and reduce the weightage of ground water hydrology.

Agenda No. 17.09: Approval: Review and approval of course structure and Second Year syllabus of CBCS based M.Tech. (Civil – Structural Engineering) program to be implemented for the students, who are enrolled in AY 2019-20.

Proceeding No. 17.09:

Chairman presented course structure and Second Year syllabus of CBCS based M.Tech. (Civil – Structural Engineering) program. Members deliberated on the course structure and second year syllabus. The details are attached as (Annexure - 7c).

Chairman informed about the revisions in the credits of few subjects, which has resulted in reduction in the total credits of B. Tech course structure to be earned by the students (who are enrolled in Academic Year 2019-20) from 102 to 90.

Certified By:



REGISTRAR
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHARUSAT CAMPUS, CHANGA

Resolution No. 17.09:

Board reviewed and granted approval to course structure of CBCS based M. Tech (Civil – Structural Engineering) along with its second year syllabi and total credits (for students enrolled in 2019-20).

Agenda No. 17.10: For Discussion: Pedagogy & Suggest improvement for its modification

Proceeding No. 17.10

The current Pedagogy of all courses of odd and even semesters of AY 2018-19 was presented by the Chairman. The pedagogy is attached as **Annexure - 8**

Resolution No. 17.10

The following suggestions were given by the Board members:

1. Evaluation of the students should be done on the basis of conceptual understanding.
2. More workshops having practical exposure shall be organised at the department level for both students and faculty members.
3. Emphasis should be given on project work.
4. Theory and practical should go simultaneously.
5. Faculty and students should be involved in live projects with industries.
6. Application oriented teaching should be practiced.
7. Collect feedback from stake holders and do extensive analysis of feedback to do necessary updates in the syllabus and curriculum.

Agenda No. 17.11: Approval: Panel of Examiners for 2019-20

Proceeding No. 17.11

Chairman presented the panel of examiner and asked for the suggestion. The details are attached as (**Annexure – 9**)

Resolution No. 17.11

Member suggested to include Mr. B. R. Naidu retired Environmental Engineer from CPCB.

Agenda No. 17.12: Approval: Review and approval of course structure of newly introduced SDG handprint laboratory (CL283), to be offered as a University Elective - I in 3rd Semester across the University and to be implemented for the students, who are enrolled in AY 2019-20.

Certified By:


REGISTRAR
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHARUSAT CAMPUS, CHANGA

Proceeding No. 17.12

Chairman presented course structure of SDG handprint laboratory (CL283). Members deliberated on the course structure. The details are attached as (Annexure - 10).

Resolution No. 17.12

Board reviewed and granted approval to course structure of SDG handprint laboratory (CL283) (for students enrolled in 2019-20). Following suggestions were also given by board members.

1. Introduction of SDG handprint laboratory course for all students of University is a good initiative taken by Civil Engineering Department and this course can be considered as industry defined course.
2. Remove the term "lectures" from the pedagogy of SDG handprint laboratory.

Agenda No. 17.13: For information: NBA Accreditation for Civil Engineering

Proceeding No. 17.13

Chairman briefly provided information regarding obtaining the NBA accreditation as a University policy. However, the Civil Engineering Department can't go for the NBA accreditation in the current academic year as number of available PhDs in the department is less than 20% of the number of faculty members of department as per NBA requirement.

Resolution No. 17.13

Members suggested to recruit more faculty members having PhD degree before going for the NBA Accreditation.

Agenda No. 17.14: For Discussion: Massive Open Online Courses (MOOCs) on SWAYAM Platform

Proceeding No. 17.14

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

Resolution No. 17.14

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.

Certified By:


REGISTRAR
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHARUSAT CAMPUS, CHANGA

Agenda No. 17.15: For Discussion: Examiner feedback review of question papers

Proceeding No. 17.15

A brief overview of the process of taking feedback from examiners on the question papers was given to the Board members by the Chairman. The existing feedback forms were shown to the Board members.

Resolution No. 17.15

Board members noted that feedbacks received from external examiner are satisfactory.

Agenda No. 17.16: For Discussion: New Programs

Proceeding No. 17.16

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

Resolution No. 17.16

The following suggestions were given by the board members.

Board members suggested to start new M. Tech. Programs in (Environmental Engineering)/ Construction Engineering and Management/ Transportation Engineering. However, Chairman informed that Master Programs can not be started as department is not accredited by NBA.

Agenda No. 17.17: For Discussion: Road-Map 2024 document

Proceeding No. 17.17

Chairman invited suggestions from Board members regarding Road-Map 2024 document.

Resolution No. 17.17

The Board pointed out to prepare a document emphasising the benchmark achievement for the next 5 years and the same need to be audited every year for the evaluation of shortfall.

Agenda No. 17.18: For Discussion: Quality of Research in Ph.D

Proceeding No. 17.18

Chairman invited suggestions from Board members regarding Quality of Research in Ph.D.

Resolution No. 17.18

Teaching learning environment in the department can be enhanced by involving more students in research activities on-going in the department. Students and faculty members may be motivated to visit research organizations for gaining exposure and knowledge. A talk and

discussion by external experts drawn from R & D organizations should be arranged for faculty members and students.

Agenda No. 17.19: For Discussion: Part-time Post Diploma Degree Course (PDDC)

Proceeding No. 17.19

Chairman invited suggestions on proposed Part-time Post Diploma Degree Course (PDDC) that may be taken up in future.

Resolution No. 17.19

Board members suggested to start Part-time Post Diploma Degree Course (PDDC) and advised that before starting of such program feasibility study should be carried out and the study should cover following:

1. Scenario in Gujarat,
2. Detailed syllabus and teaching and examination schemes of all years of program,
3. Laboratory and infrastructure facilities required,
4. Requirements of Statutory body approval
5. Eligibility criteria for candidates as per Government Rules
6. Estimate for starting PDDC program

Agenda No. 17.20: For Discussion: Achievements of Students and Faculty members


Proceeding No. 17.20

Chairman presented Achievements of Students and Faculty members for the AY 2018-19. The details are attached as **Annexure – 11**.

Resolution No. 17.20

Board members appreciated efforts made by Department, Institute and University for encouraging students to participate in the international internships by providing special leaves and faculty members to participate in events by providing financial assistance.

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


Dr. V. R. Panchal
Chairman, BOS



Certified By:


REGISTRAR
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHARUSAT CAMPUS, CHANGA