



**CHARUSAT**  
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

**FEEDBACK ACTION TAKEN  
REPORT OF  
STAKEHOLDERS  
(2021-22)**

# CHARUSAT

Date: 04<sup>th</sup> May 2022

**Subject:** Feedback Received from Final Year students

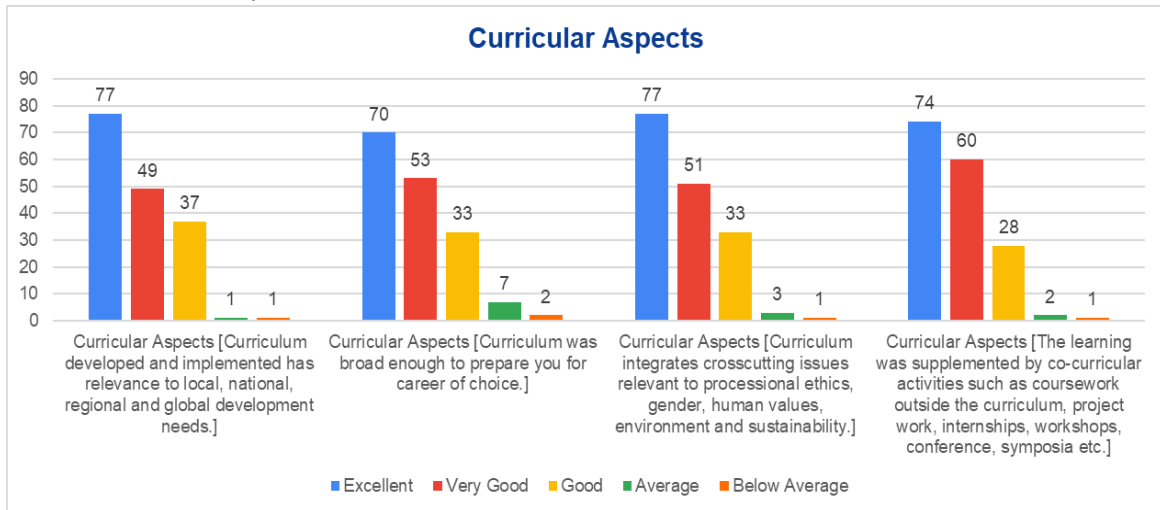
**Reference Department:** U & P U. Patel Department of Computer Engineering, CSPIT

This document is divided into three parts.

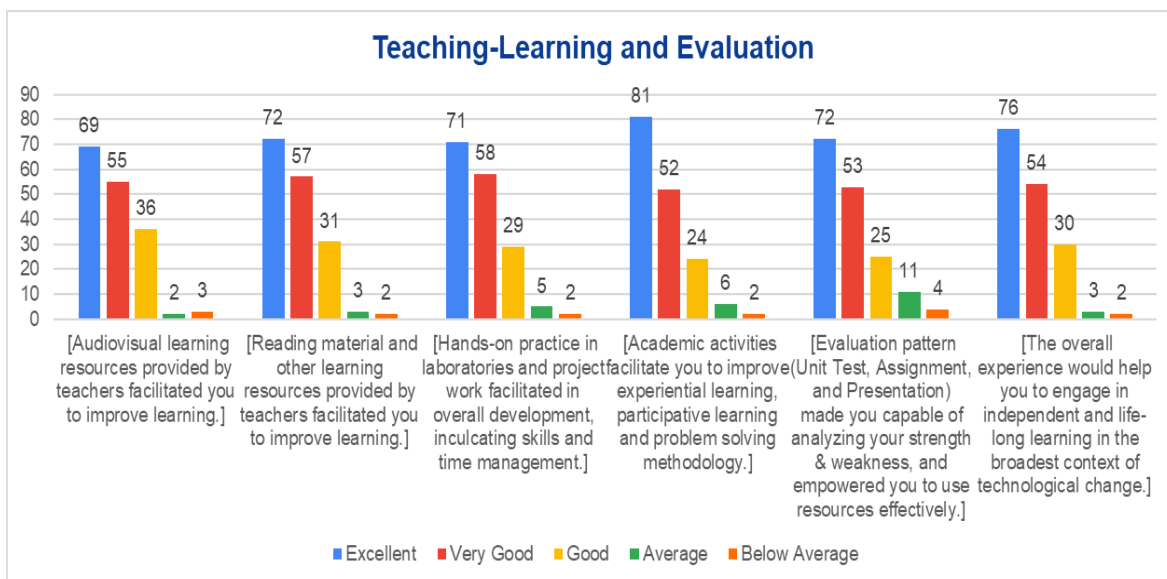
1. Part A: Bar-chart Analysis of feedback.
2. Part-B: Quantitative Analysis of feedback.
3. Part C: Written Feedback Analysis of feedback.

## Part: A Bar-chart Analysis

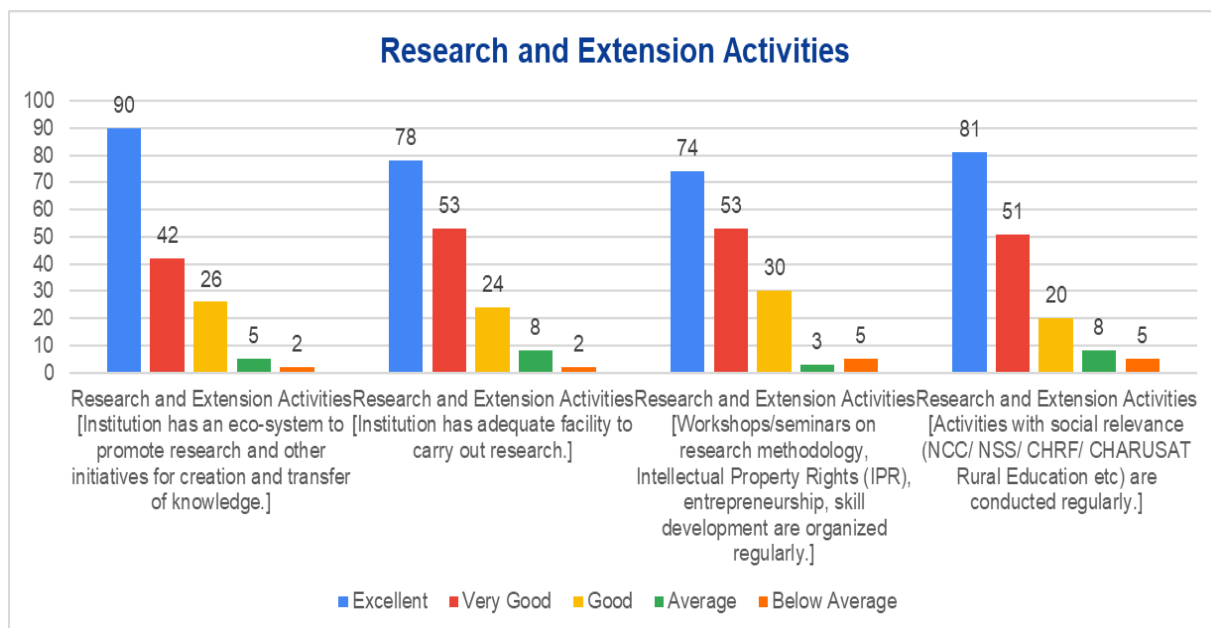
### A. Curricular Aspects



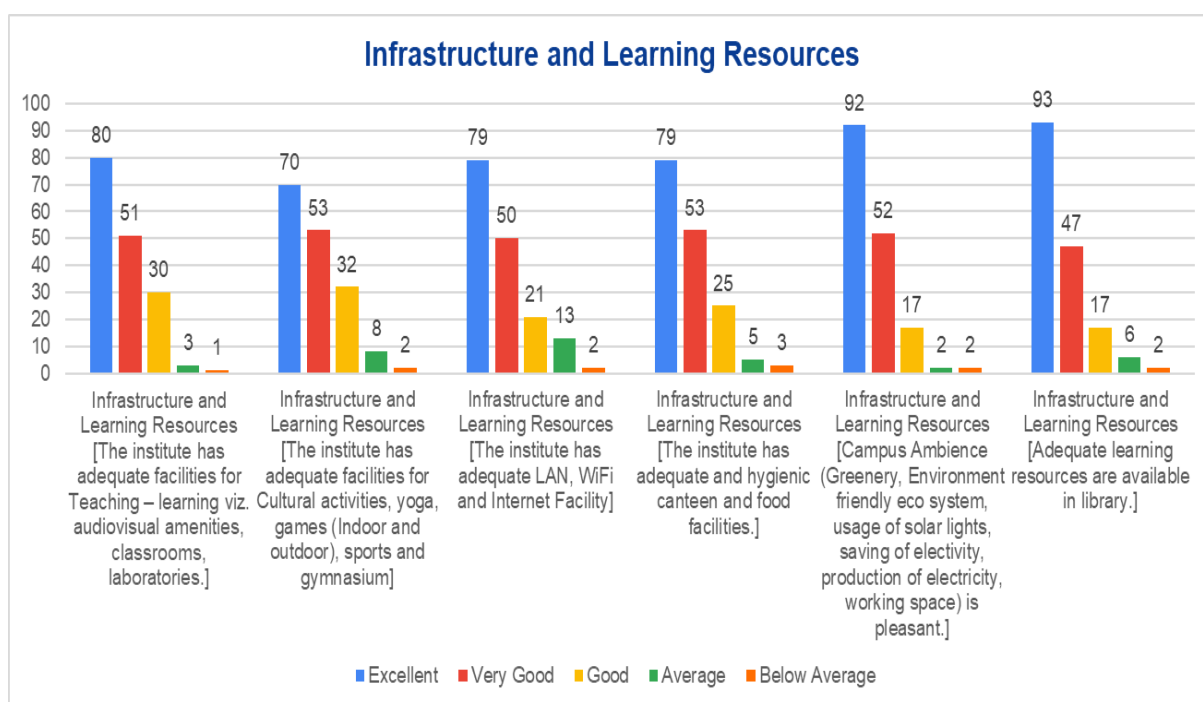
### B. Teaching – Learning and Evaluation



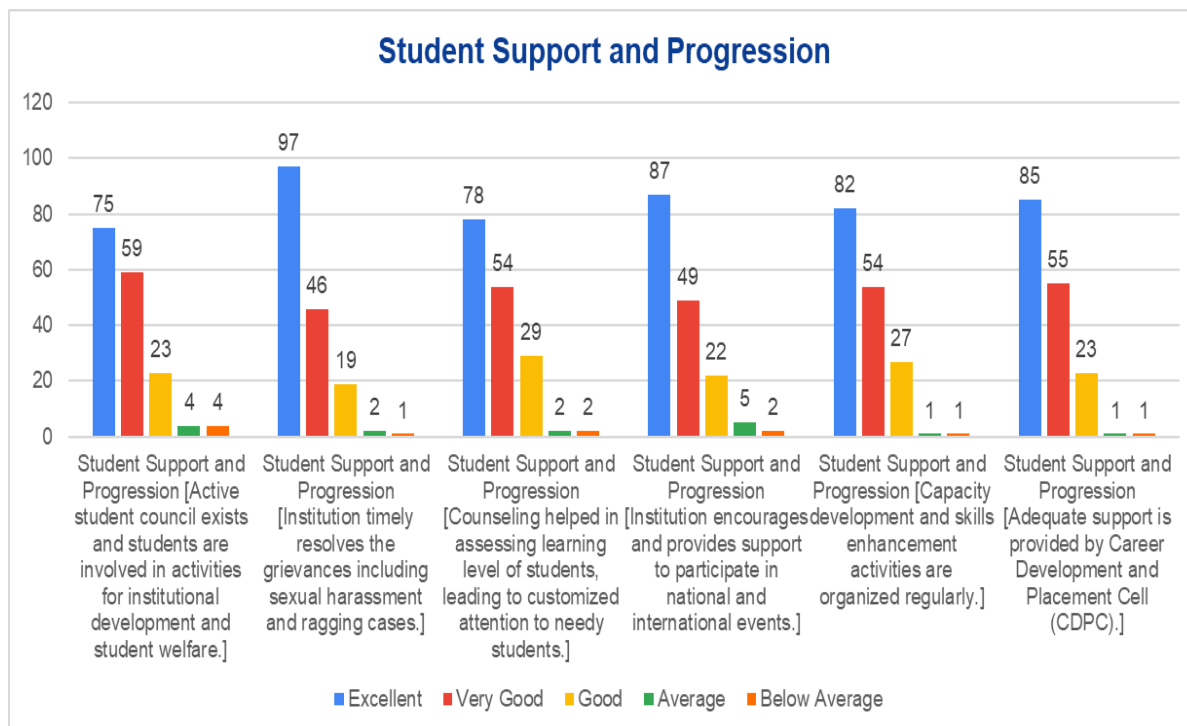
### C. Research and Extension Activities



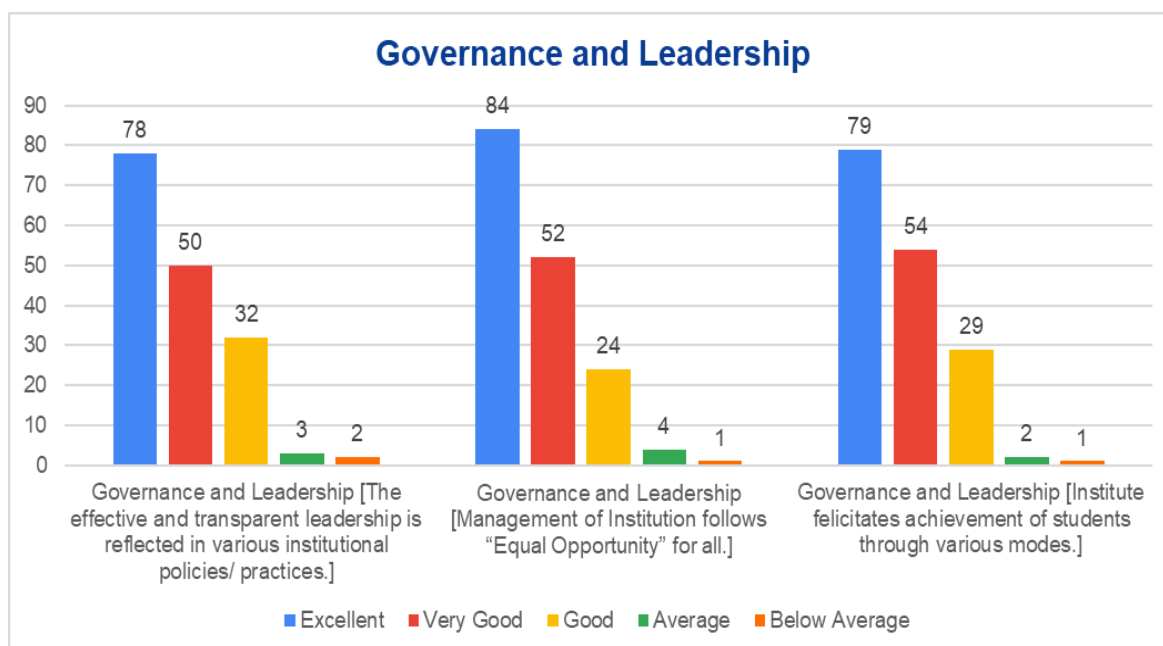
### D. Infrastructure and Learning Resources



## E. Student Support and Progression



## F. Governance and Leadership



## Part: B Quantitative Analysis

### Statistical process to analyse data

Grade for a point indicator 'P' is calculated as follows, on the scale of 10.

$$G_p = [(5 * N_{p5} + 4 * N_{p4} + 3 * N_{p3} + 2 * N_{p2} + N_{p1})/N] * 2$$

N = Number of students who have submitted response to the point indicator 'P'.

$N_{p5}$  = Number of students who have given 5 marks to the point indicator 'Excellent'.

$N_{p4}$  = Number of students who have given 4 marks to the point indicator 'Very Good'.

$N_{p3}$  = Number of students who have given 3 marks to the point indicator 'Good'.

$N_{p2}$  = Number of students who have given 2 marks to the point indicator 'Average'.

$N_{p1}$  = Number of students who have given 1 mark to the point indicator 'Below Average'.

Point No.	Criteria	Grade (G)
	<b>Curricular Aspects</b>	
1.	Curriculum developed and implemented has relevance to local, national, regional and global <b>development needs</b> .	8.42
2	<b>Curriculum was broad</b> enough to prepare you for career of choice.	8.20
3	<b>Curriculum integrates crosscutting issues</b> relevant to professional ethics, gender, human values, environment and sustainability.	8.42
4	The learning was supplemented by <b>co-curricular activities</b> such as coursework outside the curriculum, project work, internships, workshops, conference, symposia etc.	8.47
	<b>Teaching-Learning and Evaluation</b>	
5	<b>Learning material</b> provided by teachers facilitated you to improve learning.	
	(a) Audio-visual resources	8.24
	(b) Reading material and other learning resources	8.35
6	Hands-on practice in laboratories and project work facilitated in overall development, inculcating <b>skills and time management</b> .	8.31

7	Academic activities facilitate you to improve <b>experiential learning, participative learning and problem solving methodology</b> .	8.47
8	<b>Evaluation pattern</b> (Unit Test, Assignment, and Presentation) made you capable of analysing your strength & weakness, and empowered you to use resources effectively.	8.15
9	The overall experience would help you to engage in independent and <b>life-long learning</b> in the broadest context of technological change.	8.41
	<b>Research and Extension Activities</b>	
10	Institution has an eco-system to promote research and other initiatives for creation and transfer of knowledge.	8.58
11	Institution has adequate facility to carry out research.	8.38
12	Workshops/seminars on research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development are organized regularly.	8.27
13	Activities with social relevance (NCC/ NSS/ CHRF/ CHARUSAT Rural Education etc) are conducted regularly.	8.36
	<b>Infrastructure and Learning Resources</b>	
14	The institute has adequate facilities for	
	(a) Teaching – learning viz. audiovisual amenities, classrooms, laboratories.	8.49
	(b) Cultural activities, yoga, games (Indoor and outdoor), sports and gymnasium.	8.19
15	The institute has adequate LAN, WiFi and Internet Facility.	8.31
16	The institute has adequate and hygienic canteen and food facilities.	8.42
17	Campus Ambience (Greenery, Environment friendly eco system, usage of solar lights, saving of electivity, production of electricity, working space) is pleasant.	8.78
18	Adequate learning resources are available in library.	8.70
	<b>Student Support and Progression</b>	
19	Active student council exists and students are involved in activities for institutional development and student welfare.	8.38

20	Institution timely resolves the grievances including sexual harassment and ragging cases.	8.86
21	Counseling helped in assessing learning level of students, leading to customized attention to needy students.	8.47
22	Institution encourages and provides support to participate in national and international events.	8.59
23	Capacity development and skills enhancement activities are organized regularly.	8.60
24	Adequate support is provided by Career Development and Placement Cell (CDPC).	8.69
	<b>Governance and Leadership</b>	
25	The effective and transparent leadership is reflected in various institutional policies/ practices.	8.41
26	Management of Institution follows “Equal Opportunity” for all.	8.59
27	Institute felicitates achievement of students through various modes.	8.52

**Average Grade Point:**

Sr. No.	Criterion	Corresponding Aspects	Grade point Formula	Grade point (10)
1	Curricular Aspects	G1-G4	$(G_1 + G_2 + G_3 + G_4)/4$	<b>8.38</b>
2	Teaching-Learning and Evaluation	G5-G10	$(G_5 + G_6 + G_7 + G_8 + G_9 + G_{10})/6$	<b>9.90</b>
3	Research and Extension Activities	G11-14	$(G_{11} + G_{12} + G_{13} + G_{14})/4$	<b>8.40</b>
4	Infrastructure and Learning Resources	G15-G20	$(G_{15} + G_{16} + G_{17} + G_{18} + G_{19} + G_{20})/6$	<b>8.48</b>
5	Student Support and Progression	G21-G26	$(G_{21} + G_{22} + G_{23} + G_{24} + G_{25} + G_{26})/6$	<b>8.60</b>
6	Governance and Leadership	G27-G29	$(G_{27} + G_{28} + G_{29})/3$	<b>8.50</b>

**Rubrics Table:**

Sr. No	Criterion	Category (Grade point range)		
		0-3.5 (C)	3.6-7.0 (B)	7.1-10.0 (A)
1	Curricular Aspects	Curriculum is poorly designed. Process to design curriculum should be redefined.	Curriculum is not meeting the current trend. Gather relevant information from different stakeholders and modify curriculum in line of requirement of employers.	Curriculum does not require major alterations. You may enhance the perception of stakeholders through incorporating new approaches.
2	Teaching-Learning and Evaluation	Major corrections are to be suggested and implemented to enhance Teaching-Learning and Assessment Activity	You may critically review the feedback and find the functional issues. You may suggest specific modification in activities and implement those.	Minor changes in teaching learning and evaluation should be implemented as per suggestion of stakeholders. You may proceed for continuous improvement.
3	Research and Extension Activities	Acute response is needed to boost Research and Extension Activities. You may take this as priority task.	Review infrastructure, reliability of machines, ancillary facility and approach of research supervisors to students and their approach to research. Find the Gaps and run Plan –Do- Check – Act cycle.	Try to enhance the impact factor of manuscripts published, Total number of citations and h-index of institute should be improved year to year. Try to get funding from government agencies.
4	Infrastructure and Learning Resources	Find the non-functional resource or lack of infrastructure	Find the lacuna and focus on maintenance or purchase and try to enhance the quality of experience.	You may think /propose for advancement in facility.
5	Student Support and Progression	Check functioning of each and every student support activity. Get feedback from faculties involved there and find the problems appear in functioning.	Have a meeting with students and try to find out whether they receive the support from institute and try to know the expectation from students. A meeting with student councilors is recommended. Find the parameters which created the fall in grade and do necessary steps to enhance the support.	Try to enhance co-curricular and extracurricular participation. Students should win the events. Improve /Establish student chapter or Innovation council etc. Keep the track on Training and Placement and ensure the improvement.
6	Governance and Leadership	Review implementation of process. Ensure that all the necessary	Find specific area in which performance is average or less than average i.e 60% of respondents put that activity	A scope of innovation is there to enhance the function of various activities.



	information must be disseminate to stake holder. Meet the coordinators and encourage them to involve students in various activities.	on mid level. Focus on those cells/activities and prepare strategy to enhance those.	
--	--	--	--

**Action Table:**

Sr. No.	Criterion	Grade point (10)	Category (From Above Table)
1	Curricular Aspects	8.38	A
2	Teaching-Learning and Evaluation	9.90	A
3	Research and Extension Activities	8.40	A
4	Infrastructure and Learning Resources	8.48	A
5	Student Support and Progression	8.60	A
6	Governance and Leadership	8.50	A

## REDRESSEL MECHANISM

- The feedback form to be scrutinized and specific suggestions can be discussed and incorporated by the respective committees.
- Feedbacks related to curriculum and teaching-learning & evaluation to be discussed first at the Departmental Level
- If required, will be taken up by the Academic Supervisory Committee.
- If not resolved, will be referred to a committee formed at the next higher level by the management (Principal / Competent Authority).

---

[May not required]

### Formula to calculate weighted average grade point

Sr. No.	Criterion	Corresponding Aspects	Grade point (10) [A]	Weight (as per NAAC) [B]	[A] X [B]
1	Curricular Aspects	G1-G4	8.38	0.16	1.34
2	Teaching-Learning and Evaluation	G5-G10	9.90	0.23	2.28
3	Research and Extension Activities	G11-14	8.40	0.28	2.35
4	Infrastructure and Learning Resources	G15-G20	8.48	0.11	0.93
5	Student Support and Progression	G21-G26	8.60	0.11	0.95
6	Governance and Leadership	G27-G29	8.50	0.11	0.94
			52.26	1	8.79

$$\text{Weighted average grade point} = \frac{\sum ([A] \times [B])}{\sum [B]} = 8.79$$

**Part: C Written Feedback Analysis.**

Received feedback are divided into six categories. Annexure-1 contains detailed feedback.

1. Academic Schedule
2. Activities
3. Administration
4. Curriculum
5. Training & Placement
6. Teaching Learning

Review meeting was conducted among faculties of CE Dept. Following action plan is agreed by all teachers to be executed from the next academic term.

1. Academic Schedule
2. Activities
3. Administration
4. Curriculum
5. Training & Placement
6. Teaching Learning

# Annexure-1

## Positive Suggestions

- It was a great experience at CHARUSAT. The only thing which feels bad is covid took many things from us before we could experience it
- It is a very good university. No more suggestions, enjoyed life here and thanks to all the faculties
- It has been an interesting number of years and I have enjoyed the majority of it and it has definitely kept me busy and kept me learning new things almost every day. A million thanks!
- Overall this subject has some great career development aspects which needs to be followed by students.
- The curriculum of the year & evaluation are upto the point so there are no suggestions related to it
- We would like to thank Charusat University and CSPIT for giving us an opportunity to develop our skills. All subjects were best as a beginner level. The university has given its best to make our future better. The atmosphere of the university, lab, class, and teacher is very good. The university has given us advice and guidance not only in the field of education but also in the field of career.
- It was a great experience to be on campus.
- it is good for students to study here
- Curriculum should be industry oriented instead of GATE oriented.

**Academic Schedule:** N.A.

## Activities

- More emphasis on development skills with relevant subjects

## Administration

- Increase the number of copies of book material in the library.

**Curriculum:** N.A.

## Training & Placement

- Please Prepare students for Entrepreneurship starting from college First year and help them to gain knowledge about how they can start Any company or business. And Please also Provided them with information on how they can find problems in the real world so it could help them to develop unique solutions for that problem. If this college prepares students only for jobs then this college is never going to be the same as IIT, and because of that Students are never going to contribute a major part of Indian wealth as we need more Unicorn companies.

## Teaching Learning

- Semester projects should follow an industry level development process. Development process used in college is far outdated.



**CHARUSAT**  
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

**FEEDBACK ANALYSIS  
REPORT  
OF STAKEHOLDERS  
(2021-22)**

# CHARUSAT

Date: 23<sup>rd</sup> July 2022

**Subject:** Action Plan from various feedback received

**Reference Department:** Feedback Received from various stakeholders

1. Action plan from Feedback received from employers.

#	Suggestion	Action Plan
1	In every subject, there should be a mini project	Already thinking of about mini project in every subject as a part of OBE
2	Provide industrial exposure before projects to students	Offering summer internship in 4 <sup>th</sup> and 6 <sup>th</sup> semester summer vacation
3	Allow students to pick their favourite technology	Already have the choice to select technology and language as electives from 5 <sup>th</sup> semester onwards

2. Action plan from Feedback received from Teachers (End semester course feedback)

#	Suggestion	Action Plan
1	DIP should be offered after ML and Computer Vision can be added	Already changed the content of subject as per that
2	In AI, practical related to AI and research paper writing can be added	Planning to offer research methodology as subject in 7 <sup>th</sup> semester.
3	Numpy and Pandas can be introduced in Python Programming	Planning to add these topics and cover this as a part of SGP in 3 <sup>rd</sup> semester.
4	Docker and kubernetes can be added in SOC	Planning to offer certification course on docker and kubernetes

3. Action plan from Feedback received from Alumni

#	Suggestion	Action Plan
1	Course should have more focus on GATE and assignment should also be designed for GATE preparation	DSA, Computer Network, DAA, Maths, DE, OS, DLP, TOC are informed to give reports after conduction of course.

2	In B.Tech, we can have two layers in DCN subject, i.e. Data Link and Physical. In CN, we can consider from Network to application layers, we can also add some concept of security.	It is already planned from 2021-22.
3	Kindly make group at slack for all members.	Club chapters are already available from 2021-22. It can be viewed at <a href="http://sites.google.com/charusat.ac.in/cspitce/">http://sites.google.com/charusat.ac.in/cspitce/</a>
4	Solving more real time problems, practical aspects and research	Assignments are already aligned from 2021-22. It can be viewed at <a href="http://sites.google.com/charusat.ac.in/cspitce/">http://sites.google.com/charusat.ac.in/cspitce/</a>

#### 4. Action plan from Feedback received from final year students

#	Suggestion	Action Plan
1	More emphasis on development skills with relevant subjects	Already updating practical list of all subjects by aligning modern technology. Taking help from industry experts in designing practical list.
2	Prepare students for Entrepreneurship starting from college First year and help them to gain knowledge about how they can start Any company or business	Planning to have sessions from EDC cell from first year students.
3	Semester projects should follow an industry level development process	Aligned software engineering and SGP such that students has to undergo the all phases of development
4	Provide them information on how they can find problems in the real world so it could help them to develop unique solutions for that problem	Already started competition in corporation with codechef and hacker rank so that they can think and design on unique solutions.

#### 5. Action plan from Feedback received from Parents.

#	Suggestion	Action Plan
1	Certification courses for AI and ML are needed if possible	Already thought to start academy for AI and ML course

2	More practical demonstration in subject like MCO is required	Already designed such practical list
---	--	--------------------------------------