Assessment & Evaluation of response received from prime program constituencies (students, faculty, alumni, employers/industry) for continuous improvement is presented below:

Student Feedback (n = 265 Population):

Student feedback is collated on following parameters:

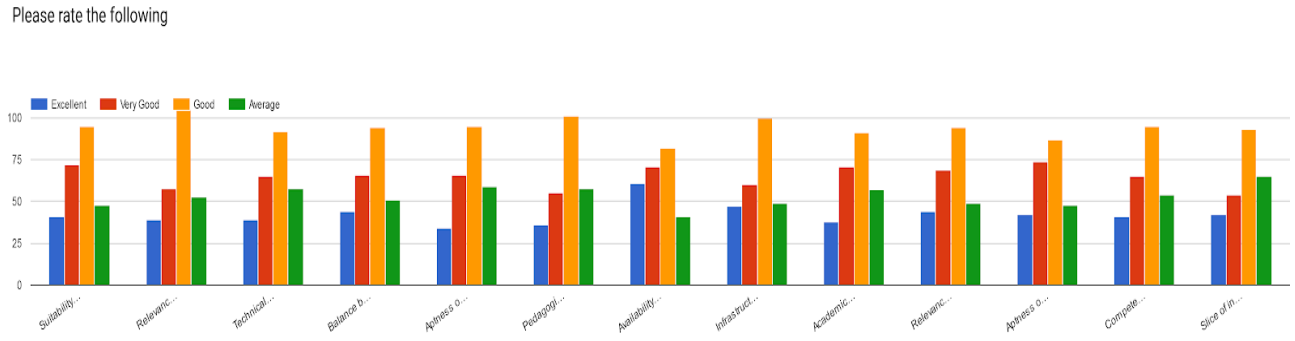
Feedback on curriculum:

- Suitability of present curriculum towards program
- Relevance of courses taught in terms of futuristic technologies
- Technical and soft skills acquired for multidisciplinary real-life situations
- Balance between theory and lab-based courses
- Aptness of training / projects & research work undertaken
- Pedagogical initiatives (Effective use of ICT Tools)
- Availability of learning resources (Library, e-contents)
- Infrastructure (Class rooms, Labs etc.) for effective curriculum delivery
- Academic Flexibility (Choice Based Credit System)
- Outcome Based Education & Lifelong Learning
- Aptness of examination pattern and evaluation scheme
- Competence in critical thinking, problem solving and creativity acquired through curriculum
- Slice of industry component / interaction in curriculum

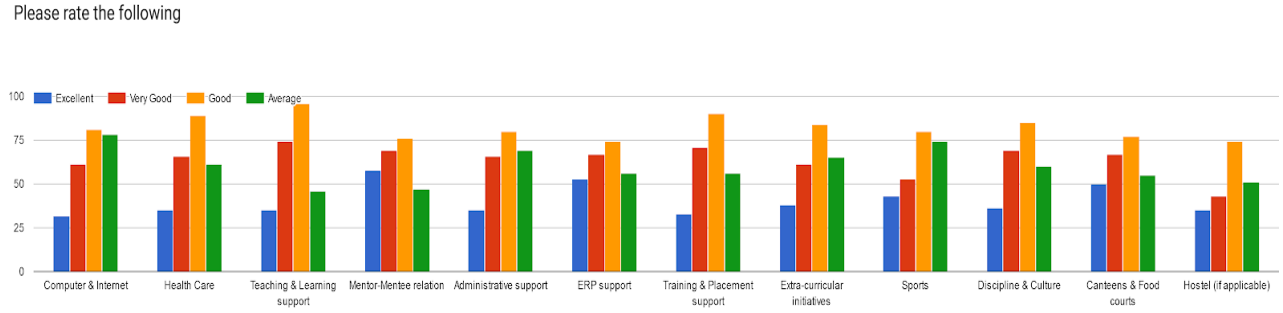
Feedback on generic facilities:

- Computer & Internet
- Health Care
- Teaching & Learning support
- Mentor-Mentee relation
- Administrative support
- ERP support
- Training & Placement support
- Extra-curricular initiatives
- Sports
- Discipline & Culture
- Canteens & Food courts
- Hostel (if applicable)

Analysis of feedback on curriculum received from Students:



Analysis of feedback on generic facilities received from Students:



Sample suggestions made by Students:

- Course curriculum should be revised properly and more exposure should be given to students.
- CSE clubs should be introduced.
- Please increase internet speed.
- Place dustbins in classes.
- Need improvement in infrastructure.
- More focus required on concepts and make students aware of the questions asked in recent interviews and their answers.
- Update labs with IDE and systems as well.

Action Taken on response received from Students is as below:

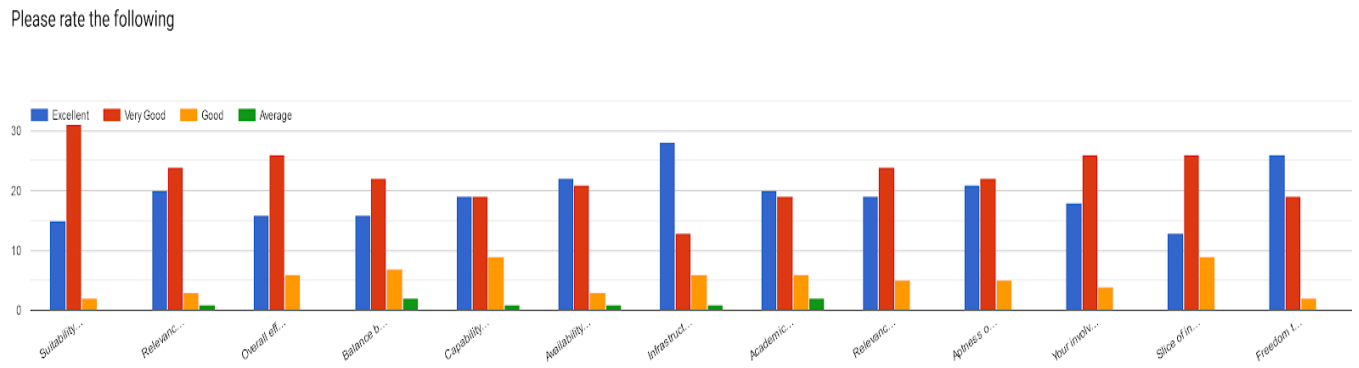
- Three domain specific clubs: Graphics and Gaming, Cyber security and Google developer introduced by the department.
- For improvement in generic facilities, a request is raised to the administrative department of the university.
- Measures taken to make university campus plastic free by systematically banning the use of plastic and replacing the same with suitable environment friendly substitutes.
- Machine learning, Data Science, Block chain components and Architecture, Internet of Things, Neural Network, Deep Learning and many more futuristic courses introduced in the curriculum.
- Students counseled to use the open source platforms for upgrading themselves.
- Corporate Resource and Career Management Centre (CRCMC) shares the interview question bank and the solution with the aspirants.

Faculty Feedback (n = 46 Population)

Faculty feedback is collated on following parameters:

- Suitability of present curriculum towards program
- Relevance of courses taught in terms of futuristic technologies
- Overall effectiveness of syllabus in meeting research and industry demands
- Balance between theory and lab-based courses
- Capability of current curriculum to challenge and widen your knowledge and perspective in subject area
- Availability of learning resources (Library, e-contents)
- Infrastructure (Class rooms, Labs etc.) for effective curriculum delivery
- Academic Flexibility (Choice Based Credit System)
- Outcome Based Education & Lifelong Learning
- Aptness of examination pattern and evaluation scheme
- Your involvement in curriculum enrichment
- Slice of industry component / interaction in curriculum
- Freedom to opt new techniques / strategies in teaching

Analysis of response received from faculty members:



Suggestions made by Faculty members is as below:

- More Project based FDPs should be conducted for bridging the gap between Industry and Academia.
- More practical hours should be added.
- Should focus on research areas more.
- More tool-oriented labs for few courses recommended.
- To cultivate the engineering spirit in the students, counseling of every single student is needed on one to one basis.
- Teaching methods and teaching aids must be improved
- Research manuscript quality check can be made free access.

Action Taken on the above response by Faculty is as below:

- The department is working to bridge the gap by offering Online Swayam portal courses to the students which are aligned with industry needs.
- Carrier guidance programs are organized by the department in association with Corporate Resource and Career Management Centre for the development of communication and interpersonal skills.
- ICT methods and use of open source software are introduced for effective teaching.
- Turnitin-Plagiarism software made available in University Library for free quality check of research manuscripts.

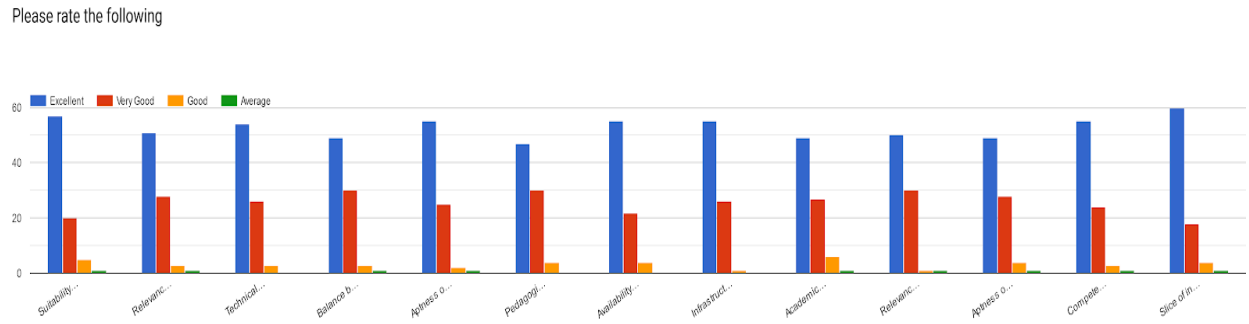
- Introduction to Research, Technical seminar added to the curriculum to inculcate research orientation.
- Capacity building programmes regularly being organized for both teaching and non-teaching staff.

Alumni Feedback (n = 83 Population):

Alumni feedback is collated on following parameters:

- Suitability of present curriculum towards program
- Relevance of courses taught in terms of futuristic technologies
- Technical and soft skills acquired for multidisciplinary real-life situations
- Balance between theory and lab-based courses
- Aptness of training / projects & research work undertaken
- Pedagogical initiatives (Effective use of ICT Tools)
- Availability of learning resources (Library, e-contents)
- Infrastructure (Class rooms, Labs etc.) for effective curriculum delivery
- Academic Flexibility (Choice Based Credit System)
- Outcome Based Education & Lifelong Learning
- Aptness of examination pattern and evaluation scheme
- Competence in critical thinking, problem solving and creativity acquired through curriculum
- Slice of industry component / interaction in curriculum

Analysis of Alumni Feedback:



Suggestions proposed by Alumni:

- Training for effectively body language during personal interview and group discussions suggested.
- Preparation for Interviews –Aptitude Test, Group Discussions and Personal Interviews exposure is needed.
- More workshop on recent trends in market should be organized.
- Problem solving skills should be enhanced.

Action Taken on response by the Alumni is presented below:

- Trainings arranged by the department in collaboration with CRCMC for strengthening the soft skills of students.
- Activities, like mock interviews, group discussions, technical and reasoning classes etc., organized to groom the students to make them job ready.
- Workshop on ethical hacking, android app development, cloud computing and security in social network organized by the department.
- Problem solving technique lab added to the curriculum to upgrade the analytical skills of students.

Employer Feedback:

For continuous improvement, Employer feedback have been collated on following parameters:

- Aptness of university curriculum for the present job.
- Relevance of courses taught in terms of futuristic technologies
- Technical and soft skills acquired for multidisciplinary real-life situations
- Balance between theory and lab-based courses
- Aptness of training / projects & research work undertaken
- Outcome Based Education & Lifelong Learning
- Competence in critical thinking, problem solving and creativity acquired through curriculum
- Slice of industry component / interaction in curriculum
- Team Spirit & leadership skills
- Relationship with seniors/peers/subordinates
- Inclination towards organizational goals
- Discipline
- Responsible citizen

Suggestions proposed by Alumni:

Technical skills, Analytical skills, Communication skills and inter-personal skills need to be groomed.

An Insight into Employability Assessments based on Employer / Industry Feedback:

With the global scenario changing rapidly, an ardent need to keep the students at par with the universal skills was felt. To keep the students abreast with the proficiencies that the globe now looks for, an agreement with the world's leading assessment companies viz. Aspiring Minds Assessment Pvt. Ltd. & Cocubes Technologies. Pvt. Ltd. was made that helps Institutions measure and identify talent. With the vision to create a level playing field in education & employment we introduced these credible assessments viz. AMCAT & Pre-Assessors. Our mission is to develop a merit driven labour market where everyone has the access to talent and opportunity.

Based on the feedback shared by our campus recruiters on enhancing the Aptitude Ability, Verbal Ability & Reasoning Ability of our students, these assessments have come across as a significant advantage. With the Training Need Analysis (TNA) report, we get a detailed insight for planning Professional Development short programs for the pre final year students.

They have proven to be an outstanding assessment tool for us. Globally approx. 20 lakh takers of these assessments have already gotten a job of their choice in various multinationals like HCL, Mphasis, Mindtree, NTT Data, Accenture, Tata Motors, John Deere, Godrej, Daimler, Subex, Lucid Technologies, Hiveminds, and many more.

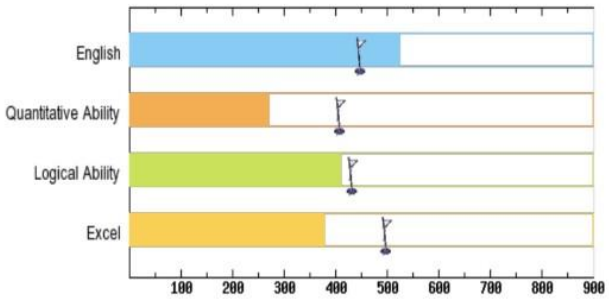
These assessments are multi-dimensional adaptive instrument that measures the knowledge, skills and personality required for multiple job roles. It not only provides an accurate measurement of a candidate's ability, but also builds on multiple years of data to identify that these scores accurately predict performance in different jobs.

A detailed confidential report with graphical analysis to the takers commenting on the strengths and weaknesses of the students and suggesting what steps one should take to improve employability of majority of students is presented. Comparative analysis is done as per industry standards and also uncovers what is lacking in the education, intake policy of the institution and how it could be plugged to make students more employable to the industry.

A brief snapshot of the report generated is available for reference:

Anjana Sood **AMCAT ID : 30011379543739**

Your AMCAT Score



- AMCAT an intelligent adaptive test. Your AMCAT score is not equal to the number of questions answered correctly. The score is calculated by an advanced statistical engine, which takes into consideration questions difficulty, discrimination, guess probability and several other factors.
- The bar is a representation of your performance in the module. The tick in each bar represents the 50 percentile score of all candidates of your category.
- Score of one module should not be compared with the score of another, but should be compared against the 50 percentile point of that module.
- Your score is on a scale of 100 to 900 with 100 being the minimum and 900 maximum

	AMCAT scores on various skills needed in selected industries and suggestions on how to improve.
	Personality analysis on big five personality traits to predict success in various customer facing job roles.
	Job fit analysis highlighting which job sectors are the best match for a candidate based on the scores.
	A suggested study plan along with resources to help the candidates work on their areas of improvement.
	Last but not the least, a certificate highlighting the best job roles a candidate is suitable for based on his/her existing skills.

The feedback report includes:

Sample Analysis:

Based on the Training Need Analysis report of AMCAT, conducted for the B.Tech students of batch 2016-2020 in the month of March 2018, the training modules were modified. The report emphasizes more training on Quantitative Ability, moving further to Reasoning Ability and English. Hence, the training modules delivered in July'18-Sep'18 had more practice tests & sessions on Quant & Reasoning.

AMCAT Analysis (English)

College	No. of Students	50% and Below		50 - 60%		60-75%		75% and above	
		Count	%	Count	%	Count	%	Count	%
FET	577	224	39	170	29	152	26	31	5

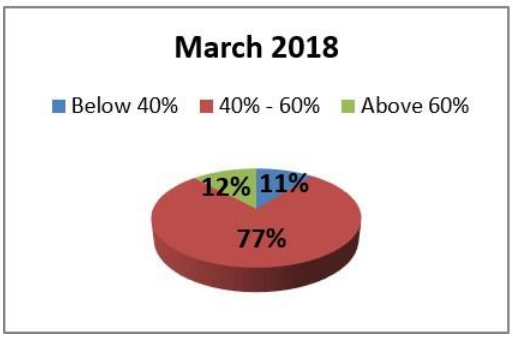
AMCAT Analysis (Logical)

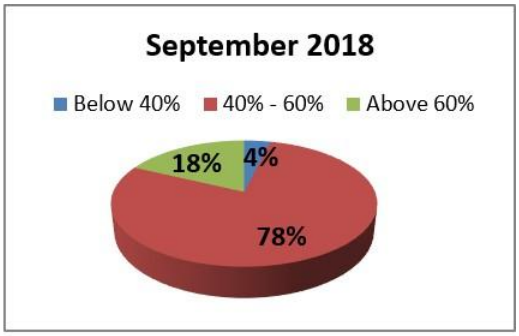
College	No. of Students	50% and Below		50 - 60%		60-75%		75% and above	
		Count	%	Count	%	Count	%	Count	%
FET	577	293	51	175	30	105	18	4	1

AMCAT Analysis (Quant)

College	No. of Students	50% and Below		50 - 60%		60-75%		75% and above	
		Count	%	Count	%	Count	%	Count	%
FET	577	372	64	88	15	100	17	17	3

Comparison analysis for B-Tech in CSE Program for Batch 2016-2020 is as below:





Result and Analysis of Feedback received from Employer/Industry:

60% of students from 2015-19 batch got selected in various reputed organization. This includes students who are pursuing higher studies and also who are entrepreneurs. More students go in for corporate jobs. Most of them are working as Quality Engineer/ Tester/ Developer/ Network Analyst/ Business development manager/ Server Support Trainee/ Cyber Security Trainee/ Data Analyst and their core domain areas are Java/ PHP/ .NET/ Hadoop.

During their academic program they have been taught various core technologies such as Java / Advanced Java / C# .NET / SQL / Big Data Analysis / Software Testing / Socket Programming which helped them to achieve heights in their respective profiles. This ensures that people and processes in the B-Tech in CSE program are in place to support advice and carrier guidance to the students.