Thiagarajar College of Engineering, Madurai-15

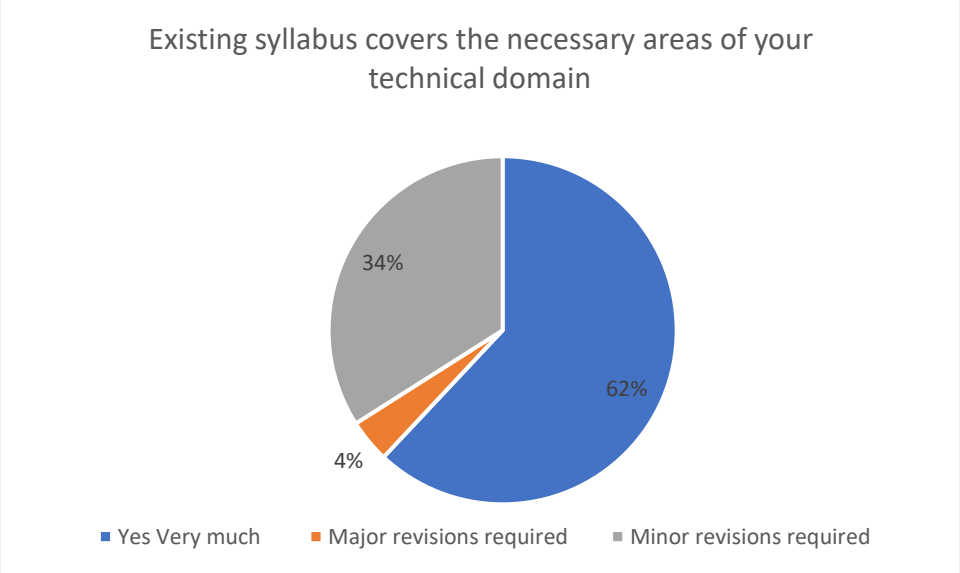
Department of Information Technology

Report on Curriculum Review by students

Academic Year: 2022-23

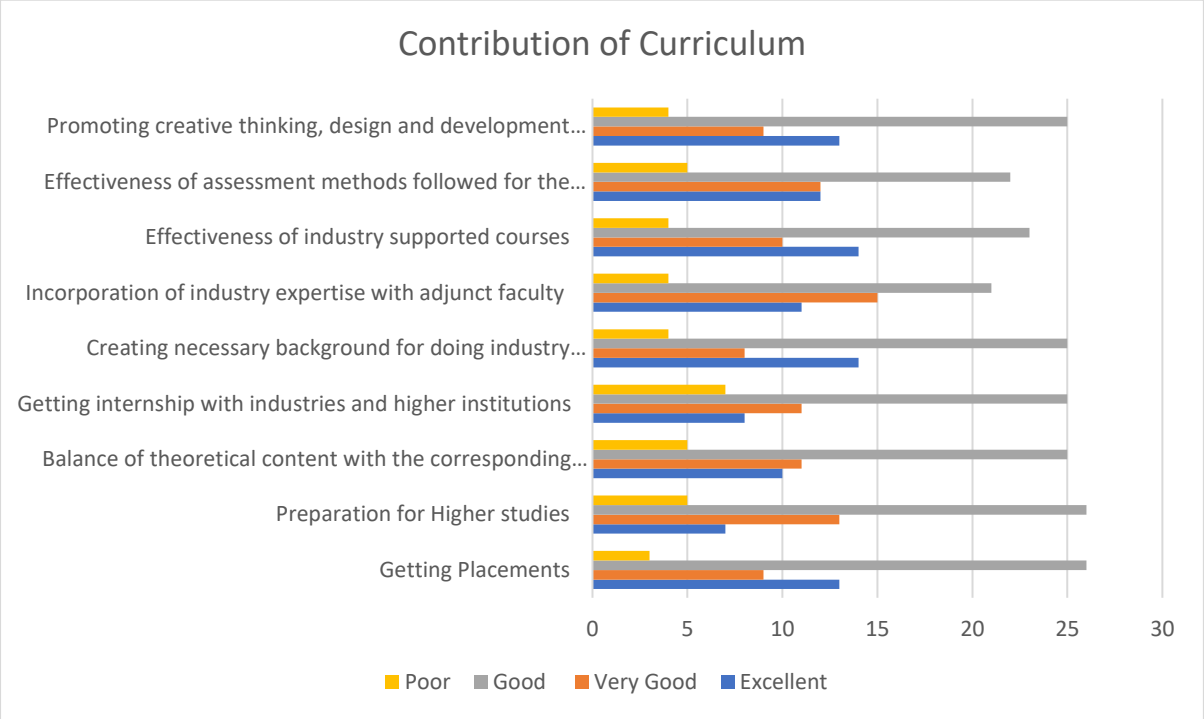
Responses obtained from google form : https://docs.google.com/forms/d/1--tq1v3KZa2Hjn6UYfBTW_YeV4ppM-woSRqMV-j8vro/edit#response=ACYDBNgUgVFDC_DKUxyo0D-HhoXjcUPFzAdMsdoYQdZCVx6q9fny1tbyXPM0Qsr77SwUmig

Need of Syllabus Revision



Courses that helped you in placements, hackathons, symposiums, research publications etc.

Contribution of Curriculum :



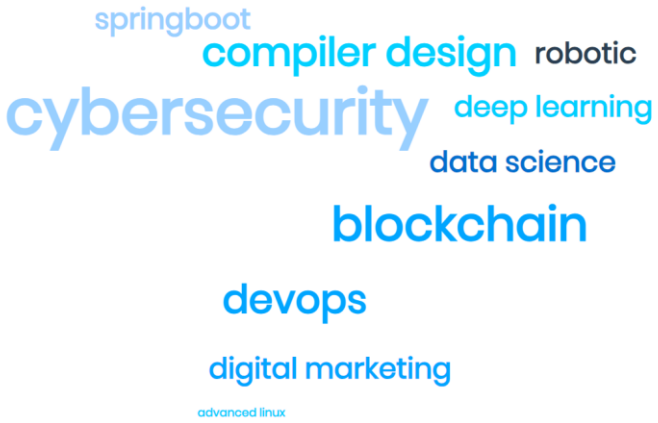
Strengths of the Curriculum

- Industry oriented
- Up-to-date
- All core concepts are covered – Useful for Placement and GATE preparation
- Encourages collaborative work
- Strong theoretical foundation with practical exposure
- Promotes creative thinking
- Well designed and scheduled courses

Weakness in the curriculum

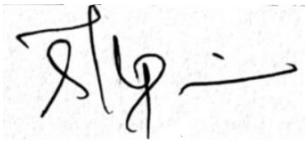
- More coding practice
- Assessment methods could be more accurate
- More Practical sessions

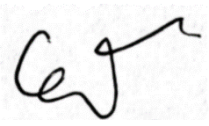
Courses requested by the student



Action to be taken based on the Analysis

- To facilitate more practical exposure, Courses such as Computer Programming, Web Essentials, Internet of Things, Mobile App Development shall be offered as Theory cum practical courses
- New lab courses shall be introduced for Data science and Virtualization Technologies
- Artificial Intelligence and Machine learning shall be offered as core courses.
- Elective courses on Blockchain, Cyber security, Deep learning are introduced.
- Web Technologies course to be updated with ReactJs framework





Prepared by

HOD-IT

Course Exit Survey Report – 2022-23 Even

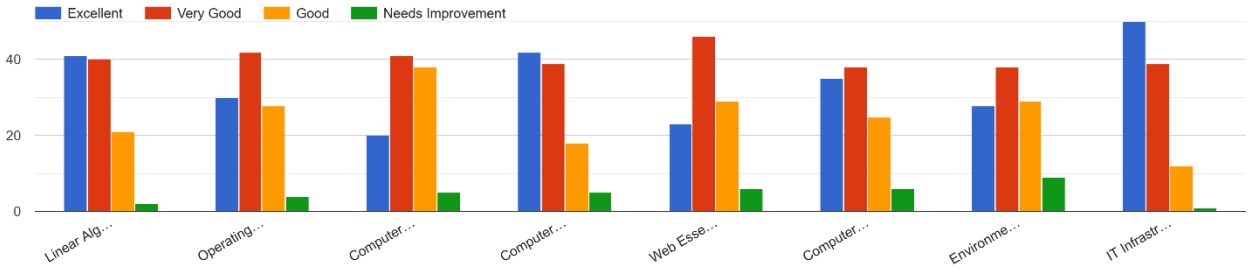
Semester II

Observations

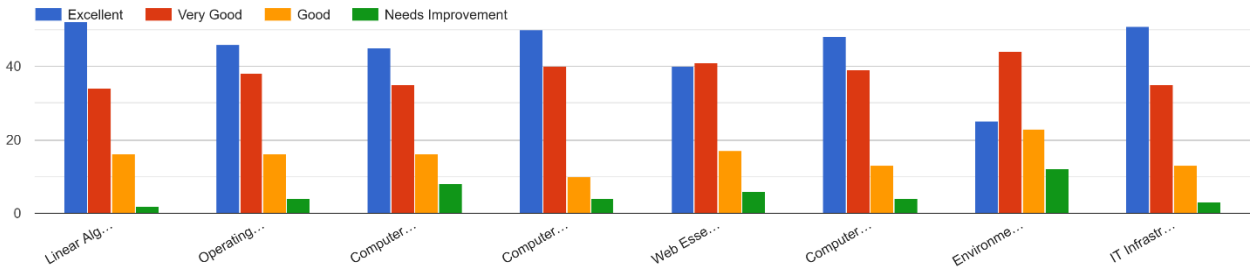
- Students found some of the courses very heavy – Operating systems
- Engineering Graphics course contents could be made more relevant to IT discipline
- Practical terminal examinations requested for C programming and Web Essentials courses
- All the courses have achieved more than 80% satisfactory index

Quantitative Results

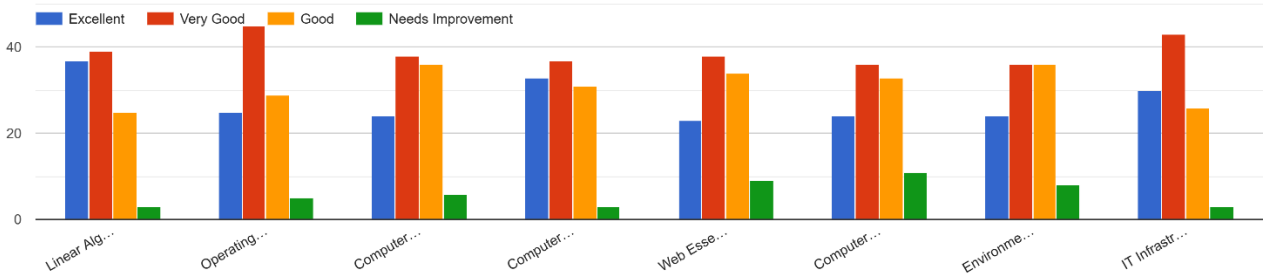
Appropriateness of Course contents



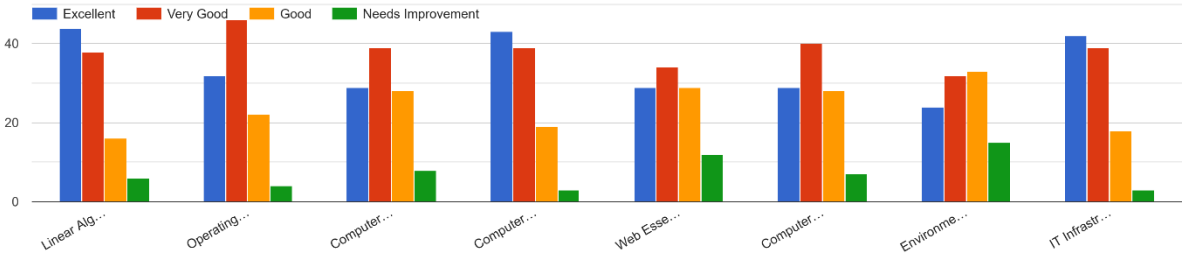
Rate your level of CO attainment



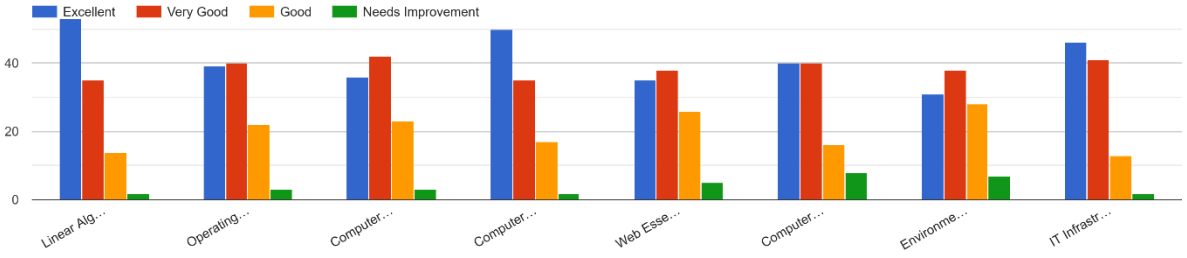
Assessment pattern for CAT and Terminal Exams



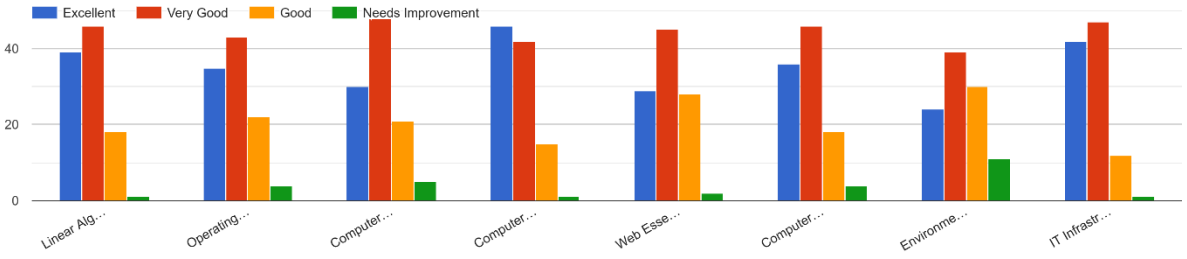
Course Plan and Reading Materials



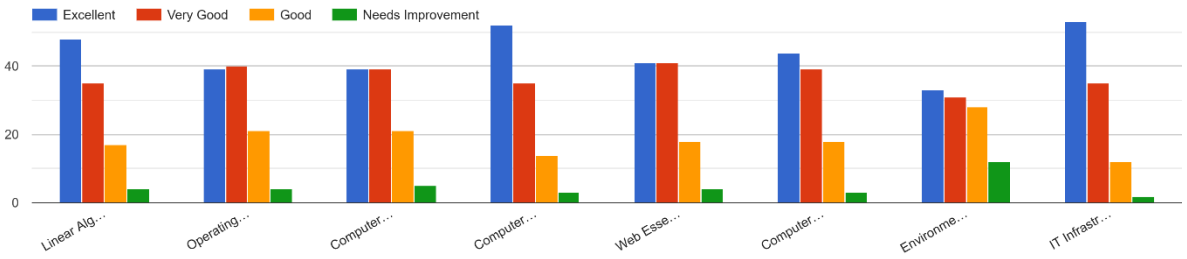
Instructor - Availability for clarifying doubts and mentoring



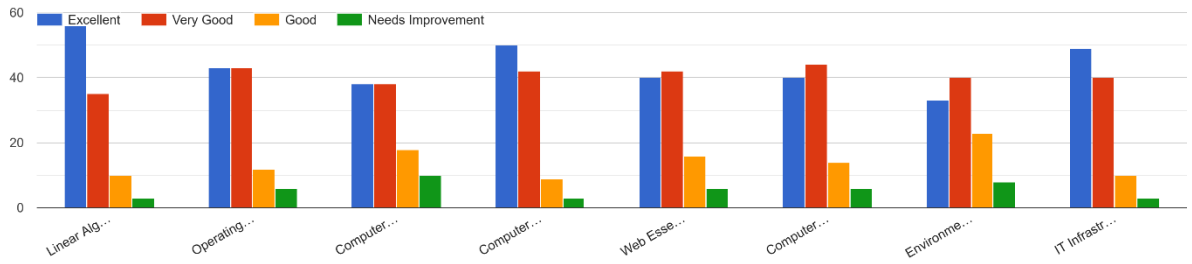
Syllabus coverage



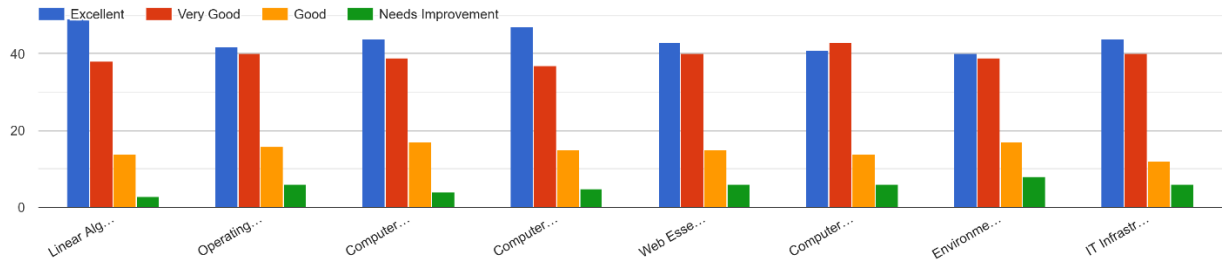
Utilizing the class hours efficiently



Communicate Effectively



Unbiased and Fairness in evaluation and treatment



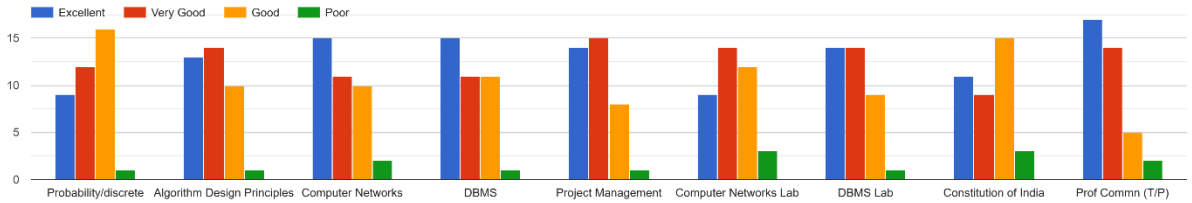
Semester IV

Observations

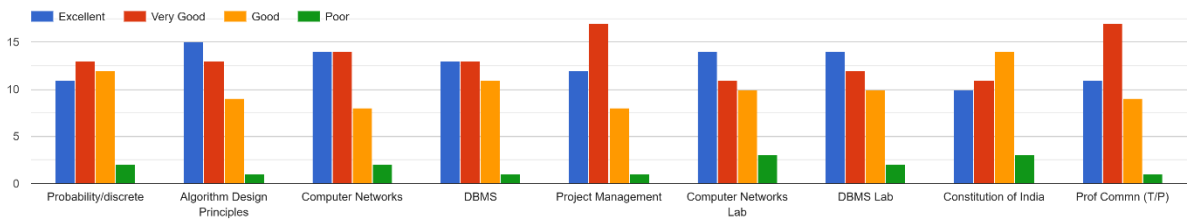
- Students suggested reducing portions in Discrete Mathematics course
- All the course achieved the required 80% satisfactory index

Quantitative results

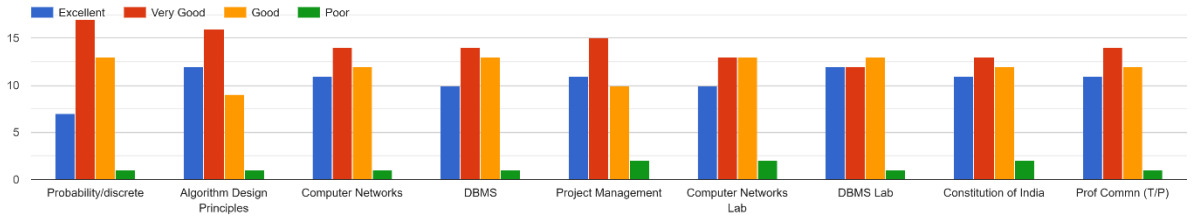
Appropriateness of Course contents



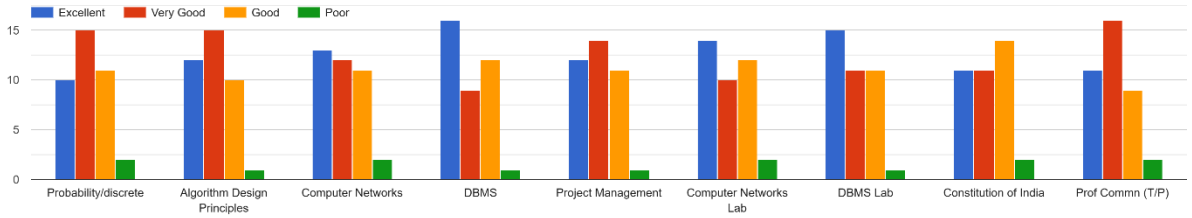
Rate the attainment of Course Outcomes



Assessment pattern for CAT and Terminal Exams

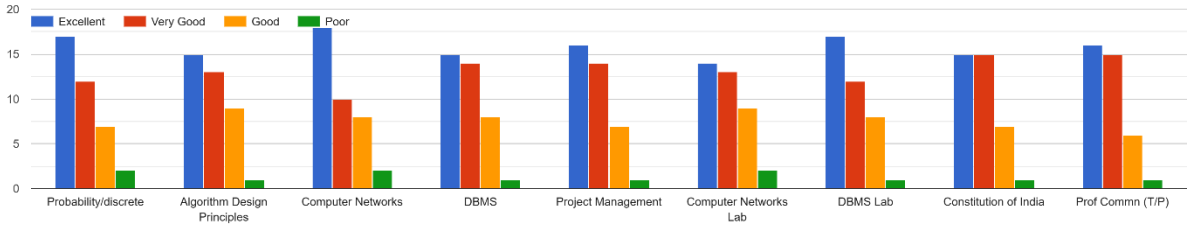


Course Plan and Reading Materials

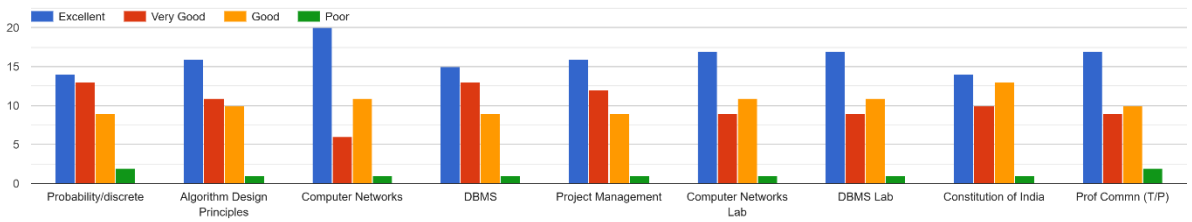


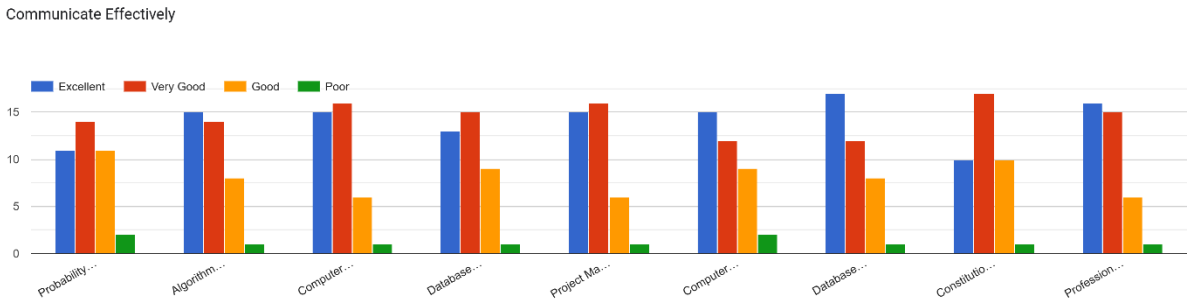
Instructor - Availability for clarifying doubts and mentoring

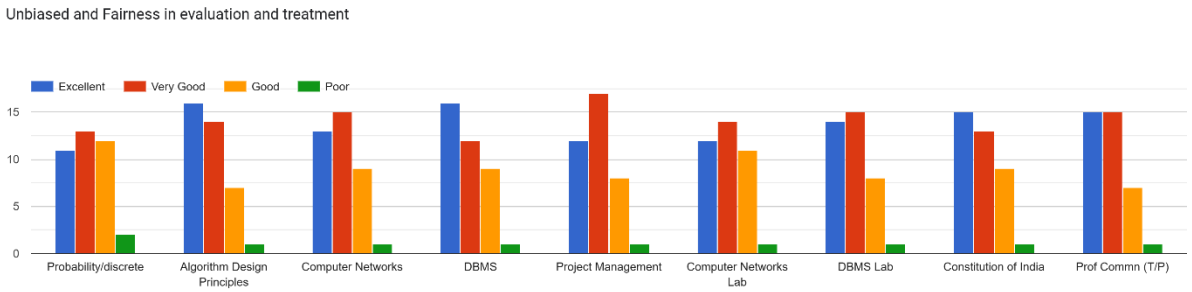
Syllabus coverage



Utilizing the class hours efficiently





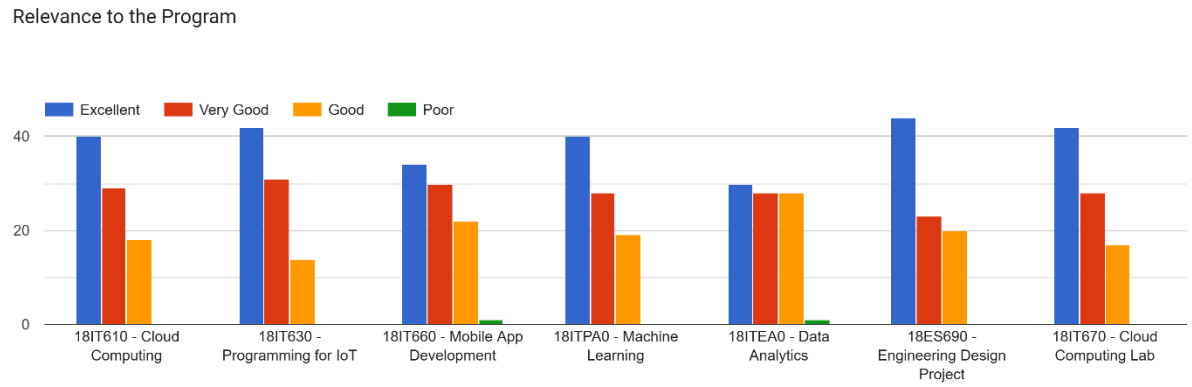


Semester VI

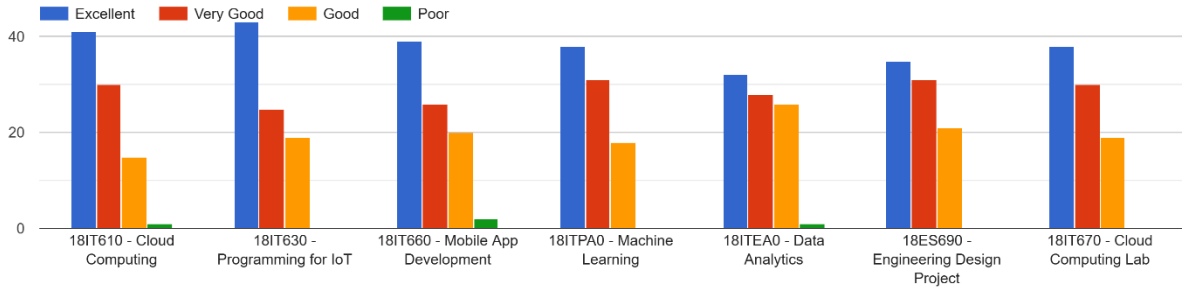
Observations

- Inclusion of recent concepts are suggested for Machine learning and Data Analytics course
- All the courses have achieved more than 80% satisfactory index

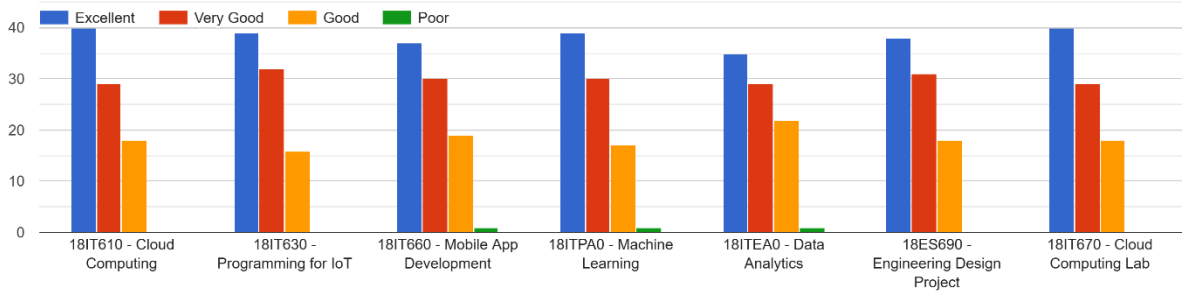
Quantitative Results



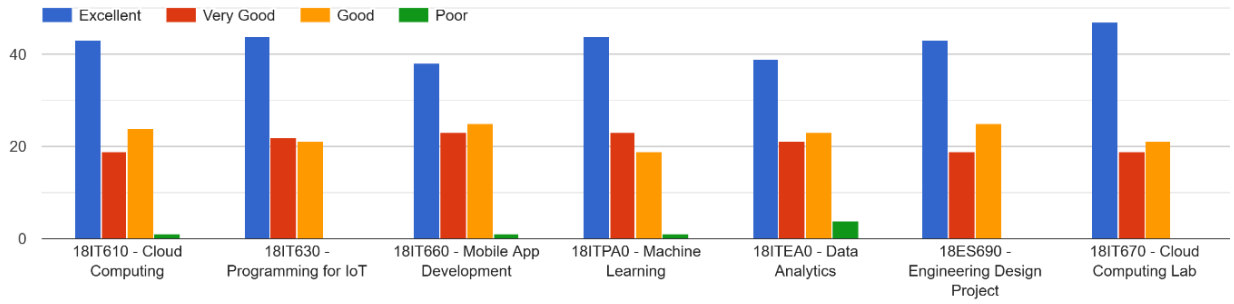
Appropriateness of Course Content



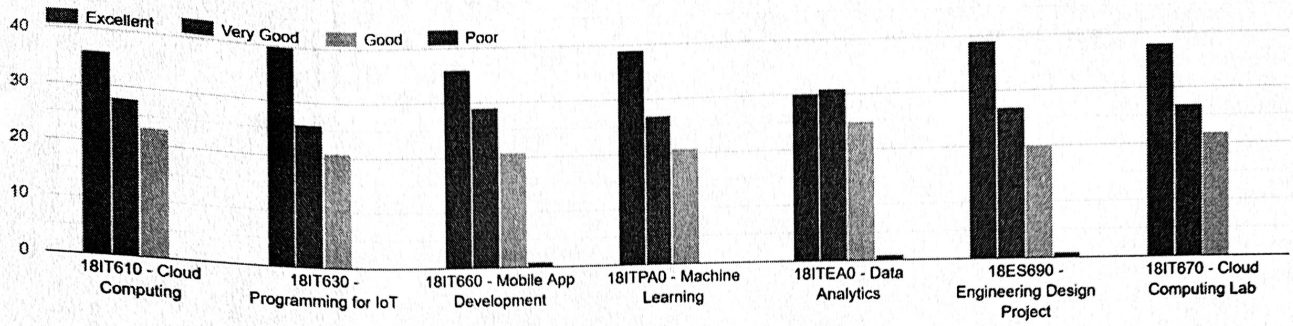
Appropriateness of Course Content in view of the Course outcomes and their cognitive levels



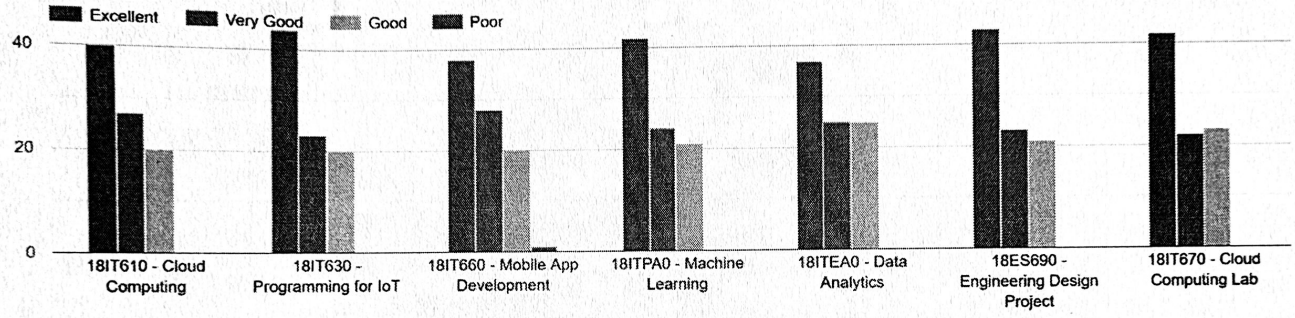
Assessment pattern for CAT and Terminal Exams



Rate your level of attainment of Course Outcomes in each of the below given courses



Appropriateness of assessment items like Assignments, Mini-projects etc., wrt course outcomes



26/9/23

Staff - in charge.

HD- IT

Course Exit survey Report – 2022-23 ODD

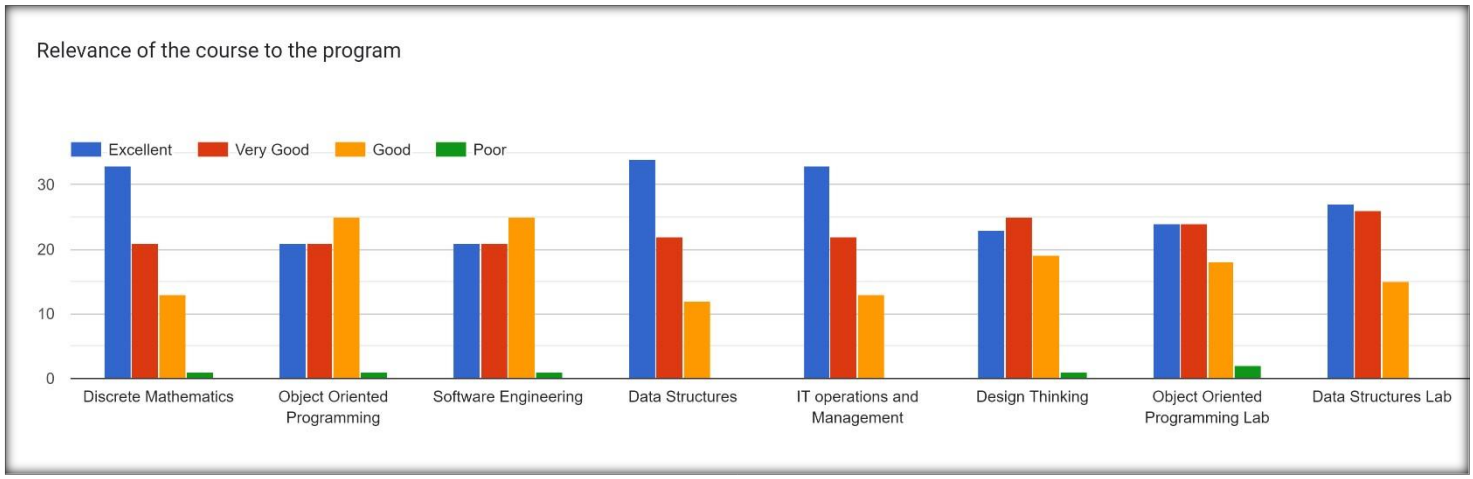
Semester 3

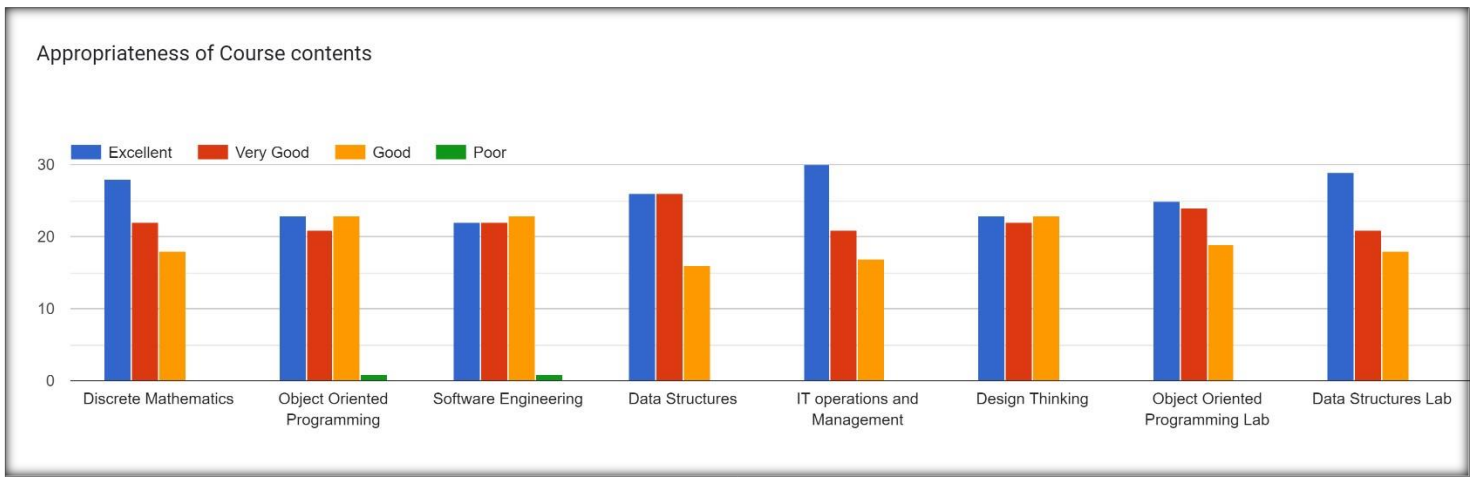
General Suggestions from students :

- Use of deprecated libraries to be removed in OOP course
- Calculus and Matrices course was found tough by direct II year students

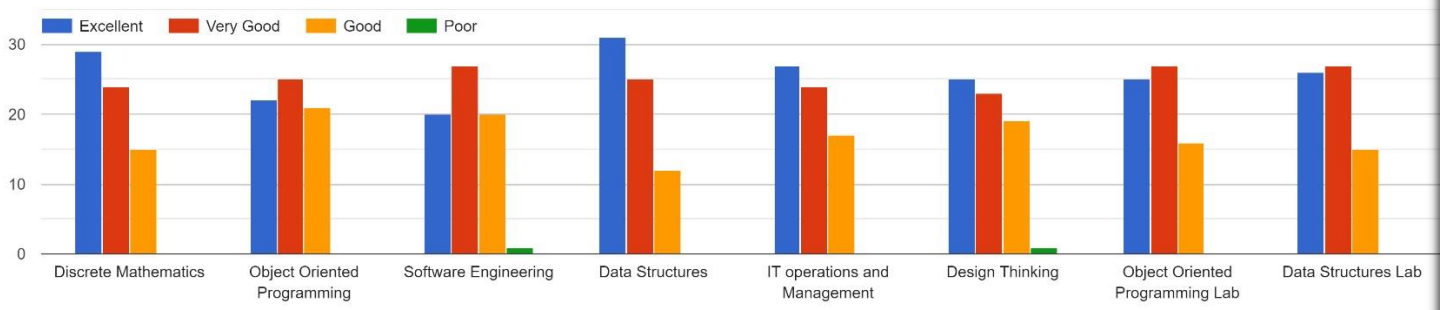
Observations:

Quantitative measurement of indices on the course, content Delivery and assessment indicates that the students found all the courses satisfactory





Appropriateness of Course Content in view of the Course outcomes and their cognitive levels



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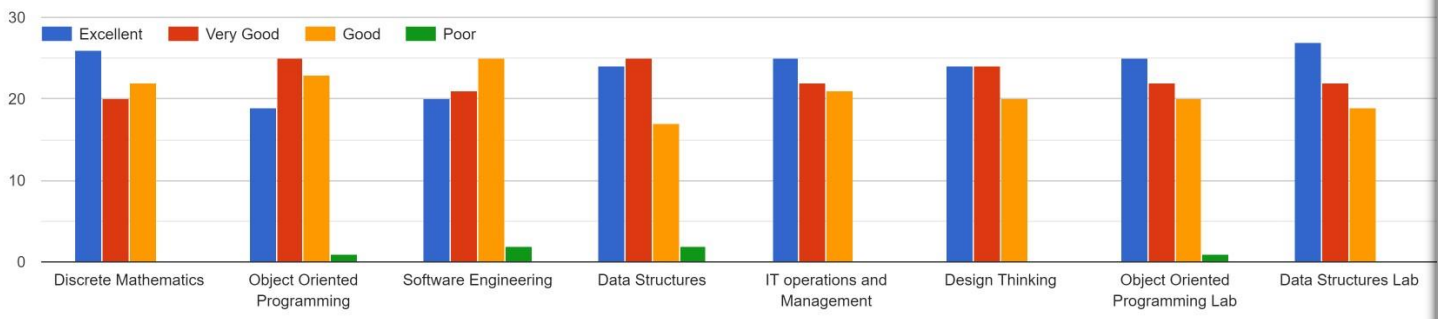
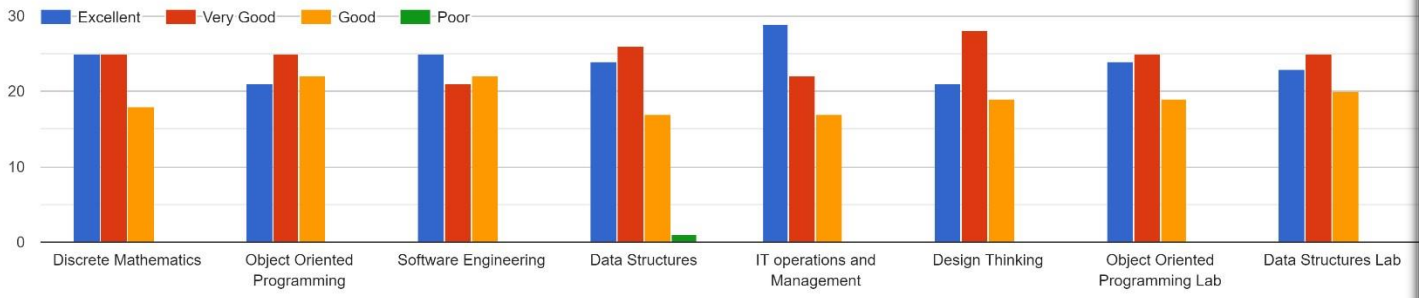
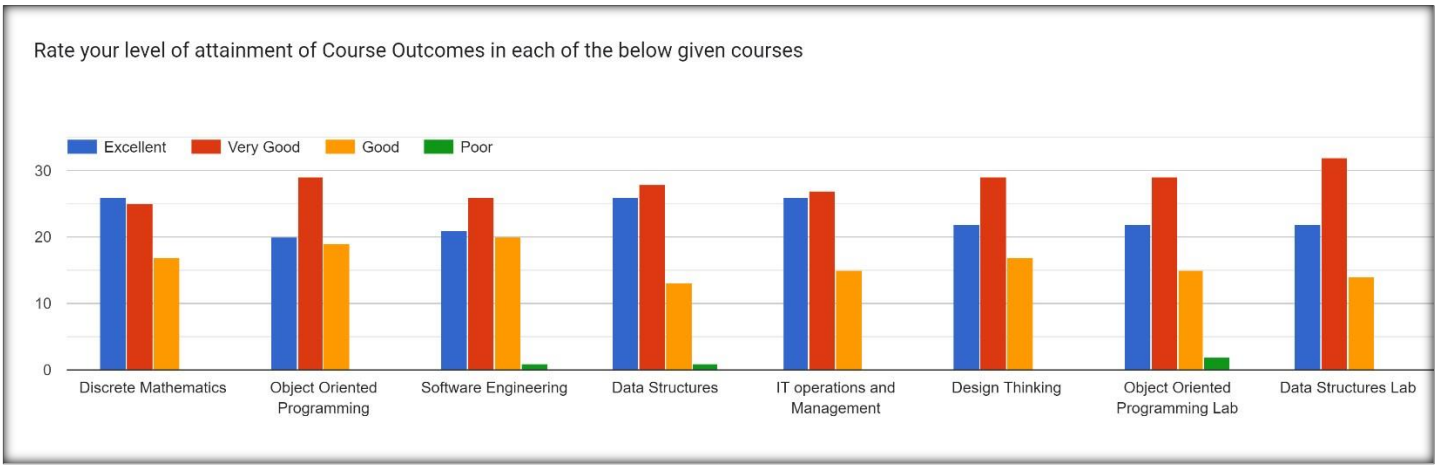


Course Plan and Reading Materials





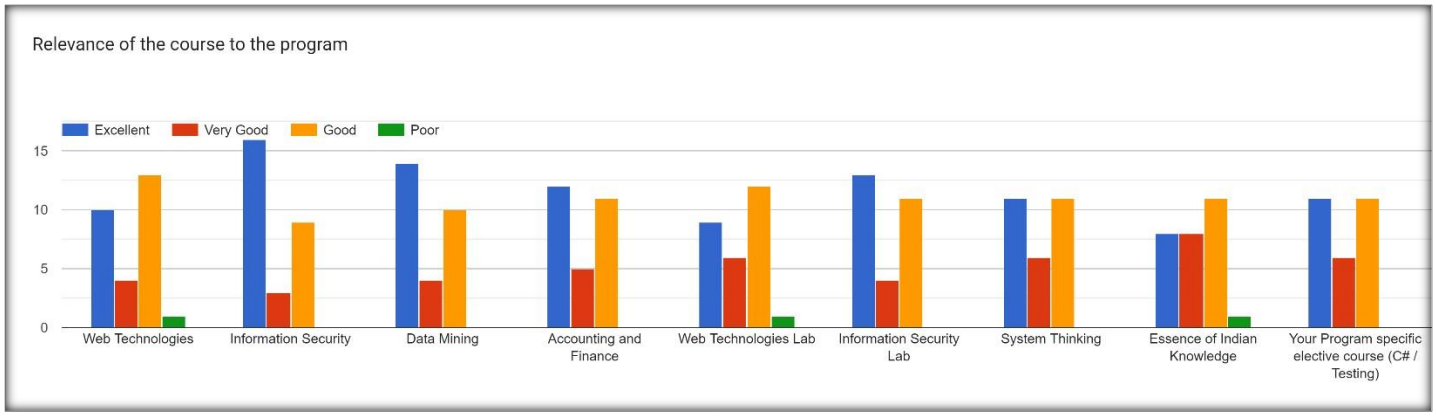
Semester 5

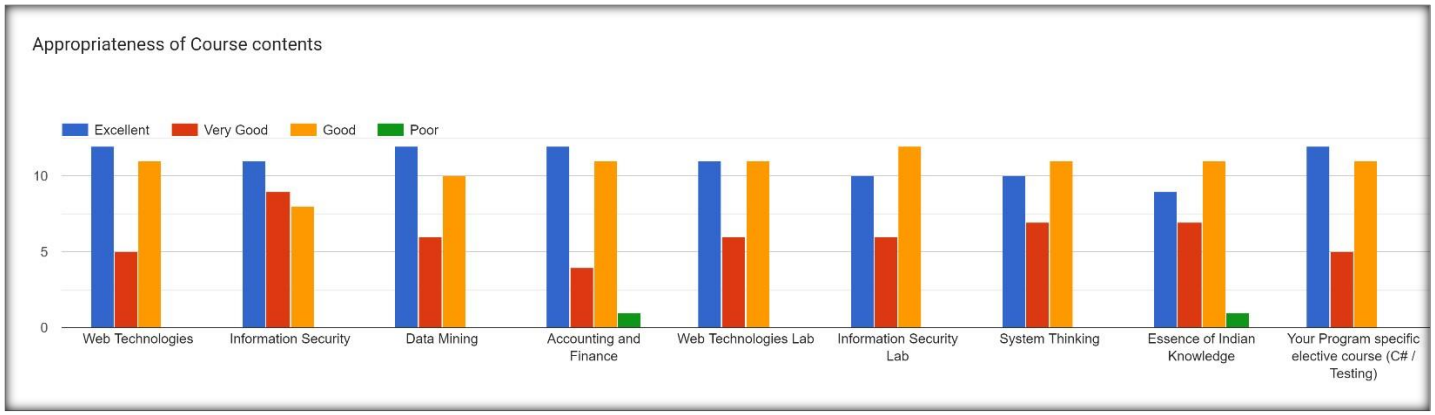
General Suggestions from students :

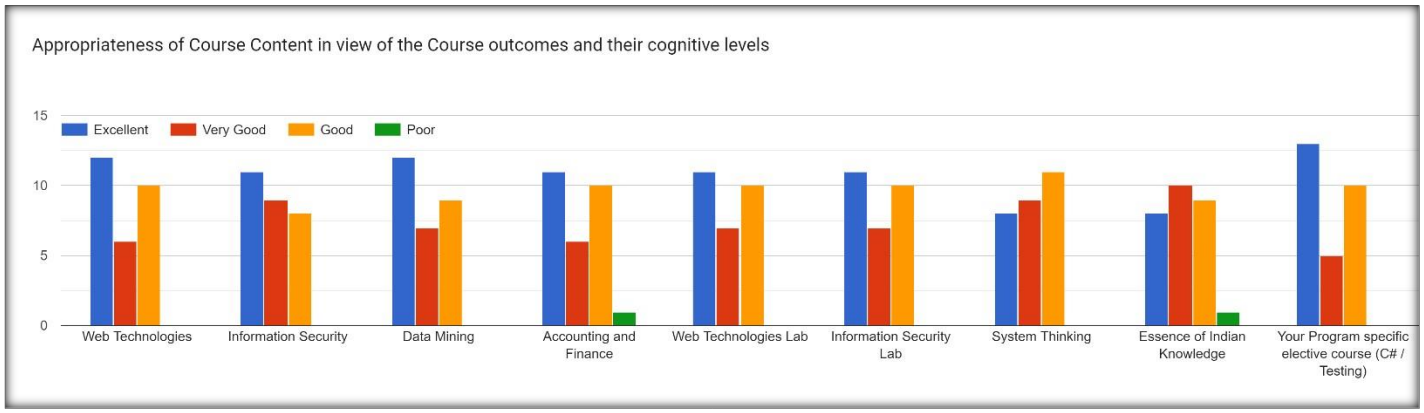
- Accounting and Finance - Basic concepts to be dealt in detail before starting Advanced topics
- Found courses good and useful

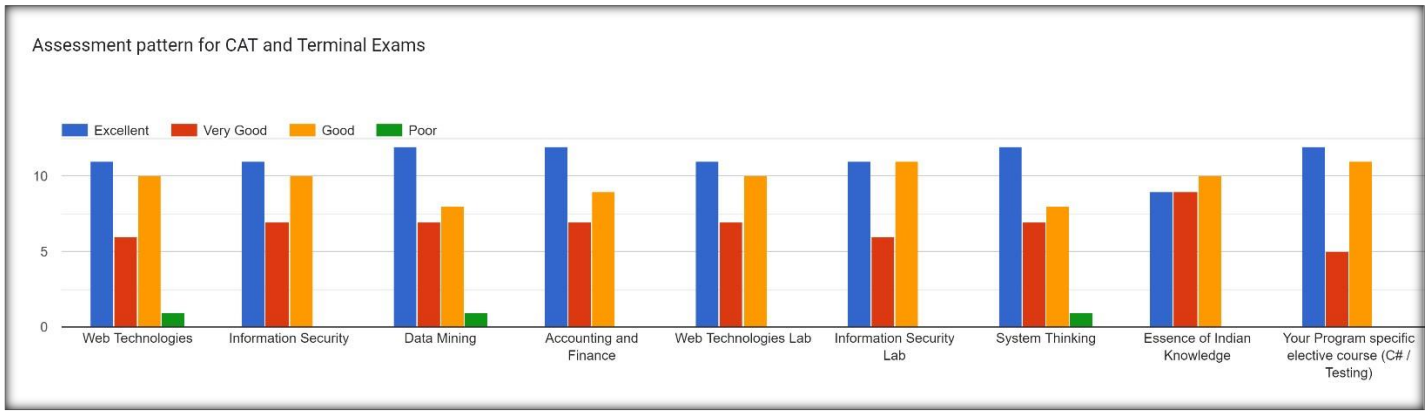
Observations:

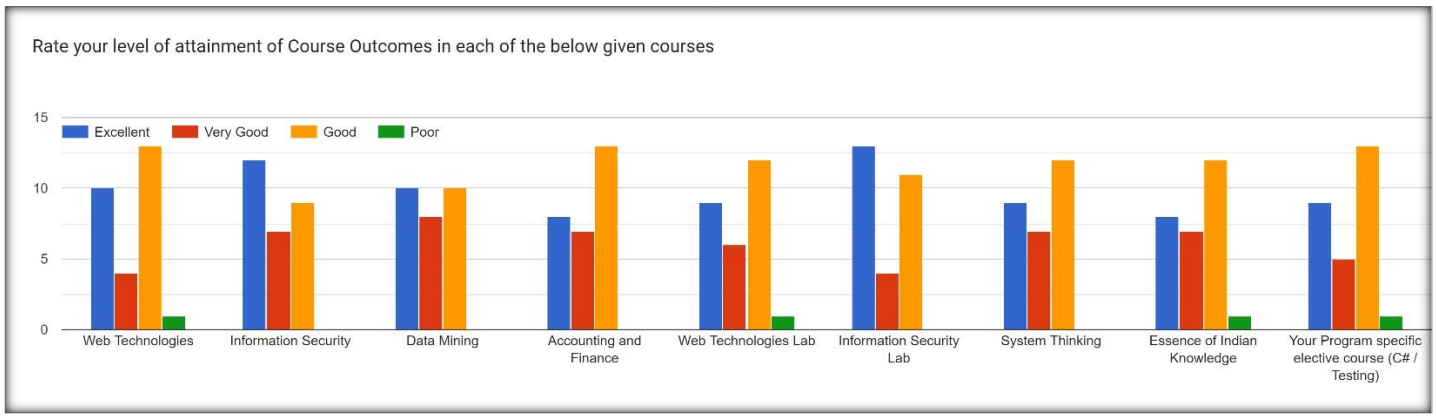
- Almost all the courses have scored well in the three areas of quantitative measurement – Course, Content Delivery and Assessment











Semester 7

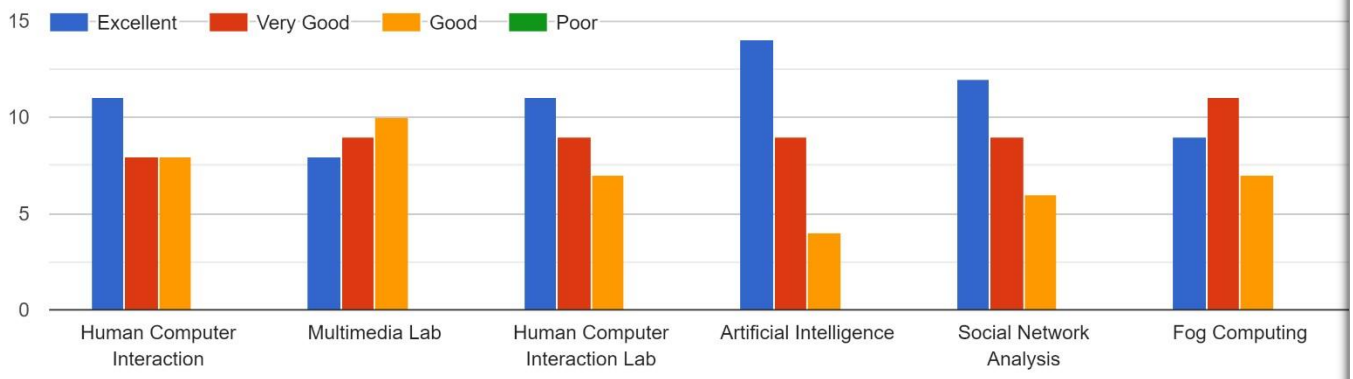
General Suggestions from students :

- Need more practical sessions in Ethical Hacking ○
- Found courses good and useful

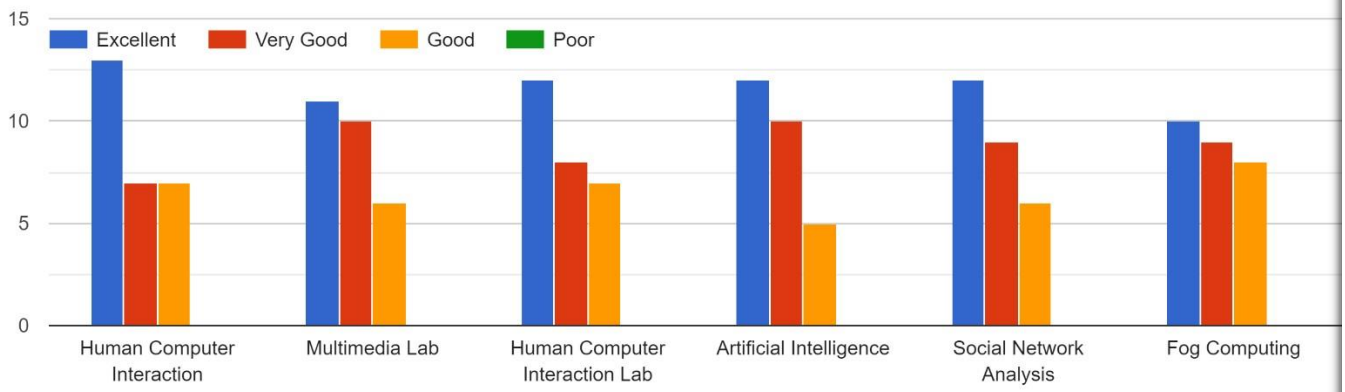
Observations:

- Almost all the courses have scored well in the three areas of quantitative measurement – Course, Content Delivery and Assessment

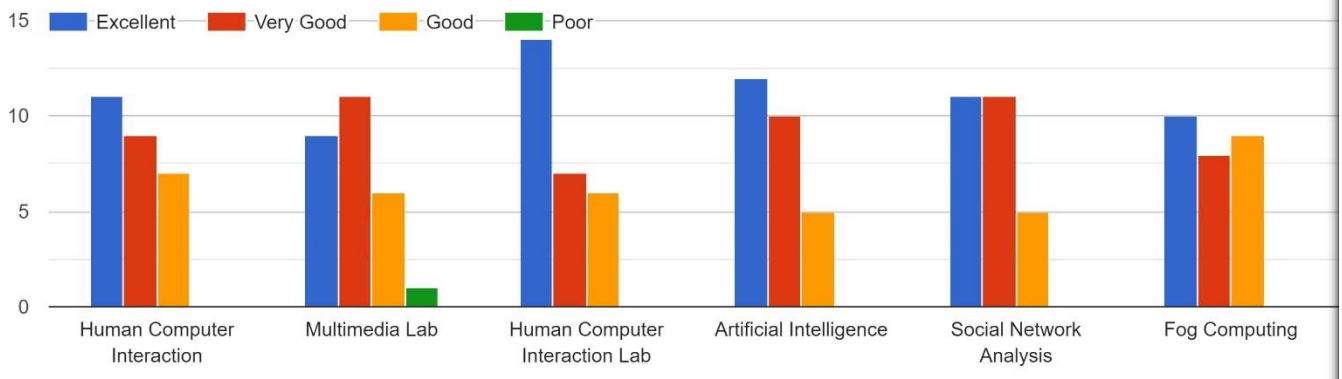
Relevance of the course to the program



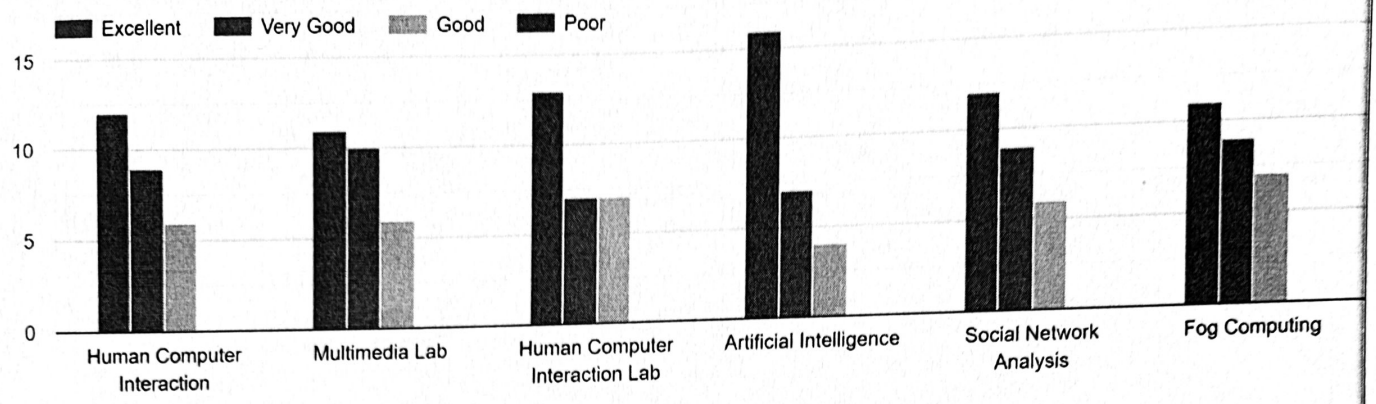
Appropriateness of Course contents



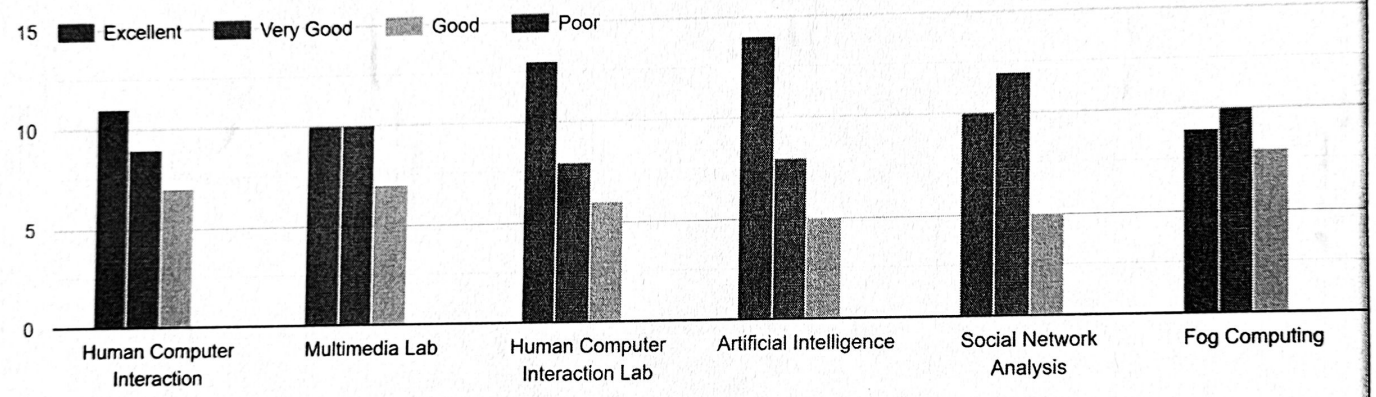
Appropriateness of Course Content in view of the Course outcomes and their cognitive levels



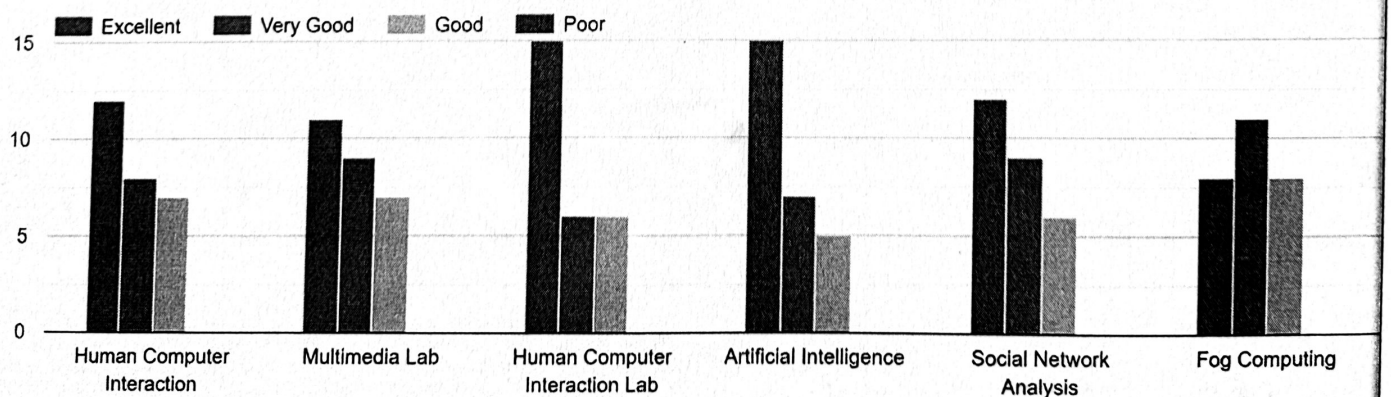
Assessment pattern for CAT and Terminal Exams



Course Plan and Reading Materials



Rate your level of attainment of Course Outcomes in each of the below given courses



Staff-in-charge

HD- IT

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI

DEPARTMENT OF INFORMATION TECHNOLOGY

B.Tech Information Technology

REPORT ON COURSE EXIT SURVEY BY STUDENTS

Date:Nov 2022

ACADEMIC YEAR :2021-22 Even Semester

	% score given by students in TCENET				
	Overall feedback	Course content	Course Outcome	Content delivery	Assessment
Semester II					
18IT220 – A	76.09	76.71	75.76	75.97	75.92
18IT220 – B	70.4175	71.23	70.2	70.52	69.72
18IT230	84.17	84.75	84.49	84.11	83.31
18IT240 – A	75.475	76.1	76	75.2	74.6
18IT240 – B	80.9925	82.64	81.37	79.87	80.09
18ES290 – A	77.34	78.5	76.99	77.8	76.07
18ES290 – B	78.655	78.15	80.22	78.01	78.24
Semester IV					
18IT420-A	89.33	89.23	89.42	88.3	90.38
18IT420 -B	73.455	74.5	73.65	72.92	72.75
18IT430	76.7575	76.63	76.67	76.98	76.75
18IT440 – A	81.375	80.56	81.79	80.37	82.78
18IT440 -B	81.37	80.77	81.52	81.52	81.67
18IT490 – A	81.29	81.11	81.33	81.79	80.93
18IT490 - B	69.1875	68.95	68.64	70.61	68.55
SemesterVI					
18IT610 - A	81.5075	81.03	80.89	82.04	82.07
18IT610 - B	74.75	75	74	74	76
18IT630-A	85.3625	85.85	86.06	85.06	84.48
18IT630-B	85.8425	85.9	87.93	85.06	84.48
18IT660 – A	82.445	82.37	82.61	82.9	81.9
18IT660 – B	78.67	78.38	77.48	79.5	79.32
18ES690	79.3	80.1	78.9	78.7	79.5
18ITPA0	80.15	79.4	79.8	80.6	80.8

18ITPD0	79.9225	79.53	78.78	80.6	80.78
18ITPJ0	77.2825	77.42	76.64	77.65	77.42
18ITPP0	78.38	79.03	78.59	77.43	78.47
18ITPF0	81.1775	80.17	80.89	81.75	81.9

Important Observations:

- Students' feedback on the majority of the courses is found to be satisfactory in all the aspects viz course outcomes, content delivery and assessment
- Course on Project Management has received moderate ratings from students of slot B

Action taken:

- Course exit survey results were discussed with the course instructors
- Course instructors were informed to incorporate necessary changes in the content delivery plan

TLP Coordinator

Program Coordinator

HOD /

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI

DEPARTMENT OF INFORMATION TECHNOLOGY

B.Tech Information Technology

REPORT ON COURSE EXIT SURVEY BY STUDENTS

Date:Nov 2022

ACADEMIC YEAR :2021-22Odd Semester

	% score given by students in TCENET				
	Overall feedback	Course content	Course Outcome	Content delivery	Assessment
Semester III					
18IT320	75.92	76.89	75.14	74.59	77.05
18IT330	76.21	77.71	75.07	75.78	76.27
18IT340	82.51	84.31	80.71	82.95	82.08
18IT361	82.29	83	81.96	82.14	82.07
18ES390	77.46	78.25	76.58	77.50	77.50
Semester V					
18IT520	80.61	81.65	80.23	81.27	79.28
18IT530	76.91	76.69	76.40	77.19	77.39
18IT540	74.03	74.15	74.42	74.17	73.38
18ITPR0	69.50	70.00	68.00	70.00	70.00
18ITPQ0	85.85	86	84.44	87.5	85.44
18ES590	77.68	77.53	78.31	77.09	77.81
SemesterVII					
18ITRG0	80.2	80.4	81	79.5	79.9
18ITPK0	78.10	78.60	77.60	78.10	78.10
18ITPE0	75.70	77.17	74.31	75.83	75.50
18ITRA0	84.85	85.50	84.80	83.90	85.20

Important Observations:

- Students' feedback on the majority of the courses is found to be satisfactory in all the aspects viz course outcomes, content delivery and assessment
- Course on C# and .Net Framework has received moderate ratings from students

Action taken:

- Course exit survey results were discussed with the course instructors
- Course instructors were informed to incorporate necessary changes in the content delivery plan

TLP Coordinator

Program Coordinator

HOD /

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI
(A Govt. aided Autonomous Institution affiliated to Anna University)
-where quality and ethics matter

Department of Information Technology

Students Feedback – Follow-up Report- Academic Year 2020-21

From the Course Exit feedback obtained from students, it was inferred that the following courses have less than 75% attainment in the Course Outcomes category.

Course Code	Course Name
18IT510	Web Technologies
18IT530	Data Mining
18IT540	Accounting and Finance
18ITPR0	C# and .Net Framework
18ES590	System Thinking

Follow-up Actions :

- The comments were shared with the TLP team to consider possible revisions in the course contents, Course Outcomes and Mapping.
- The Course instructors were informed to take necessary actions to improve attainment in the future runs of the course.

HD-IT

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI 625 015.
Department of Information Technology
Student Feedback on Curriculum Design -Report

PARAMETERS	SUGGESTIONS
CONTENT TO BE ADDED IN THE CURRICULUM	• DEVOPS,PYTHON(INTERPRETER LANGUAGE).
	• NATURAL LANGUAGE PROCESSING, DEEP LEARNING, LINEAR ALGEBRA WITH APPLICATIONS TO MACHINE LEARNING, DESIGN AND ANALYSIS OF ALGORITHMS, COMPUTER VISION
	• JAVA ENTERPRISE EDITION(J2EE), DEEP LEARNING, AUGMENTED REALITY
	• MACHINE LEARNING, VERSION CONTROL, OOP DESIGN PATTERNS
	• ADVANCED DATA STRUCTURES - HEAP , HASH MAP , ALGORITHMS
	• ANGULAR JS, OOP DESIGN, DESIGN PATTERN, SERVLET PROGRAMMING, NON RELATIONAL DATABASE LIKE MONGODB,
	• ADVANCE NETWORKING,CCNA,PYTHON ETC
	• MACHINE LEARNING, MEAN/MERN STACK OR ANY WEB FRAMEWORK LIKE DJANGO,RAILS
COURSES THAT HELPED YOUR PLACEMENT / SYMPOSIUMS / OTHERS.	• IOT,BIG DATA
	• PROBLEM SOLVING USING COMPUTERS, DATA STRUCTURES AND ALGORITHMS, DATA MINING, PROBABILITY AND STATISTICS, SOCIAL NETWORK ANALYSIS.
	• JAVA,DATA STRUCTURES
	• DATA STRUCTURES, PROGRAMMING SUBJECTS, COMPUTER NETWORKS, CLOUD COMPUTING
	• RDBMS, DATA STRUCTURES,JAVA,OPERATING SYSTEMS, NETWORKS
	• FOR PLACEMENTS : JAVA, NETWORKING, OS, DATABASE MANAGEMENT SYSTEMS
	• DATA STRUCTURE, OOPS, NETWORK SECURITY
	• DATA STRUCTURES AND ALGORITHMS,JAVA,WEB TECHNOLOGY,ANDROID,OPERATING SYSTEMS,DBMS
	• PROGRAMMING LANGUAGES , DBMS , NETWORKS , CLOUD
COURSES THAT HELPED YOU TO FOLLOW RESEARCH PRACTICES	• DATA MINING
	• C# AND JAVA
	• WEB TECHNOLOGIES.
	• SOFTWARE ENGINEERING-DESIGN C#,C++,PROGRAMMING LANGUAGE-DEVELOPMENT

	• C, JAVA, SYSTEM ADMINISTRATION, CLOUD COMPUTING, DISTRIBUTED SYSTEMS
	• DATA MINING
	• IOT , WEB DEVELOPMENT , DATA STRUCTURES
COURSES THAT HAVE MORE THEORETICAL CONCEPTS NOT THE PRACTICAL APPROACH	• ALGORITHMS
	• INFORMATION SYSTEM
	• NETWORK SECURITY, CLOUD COMPUTING, DISTRIBUTED SYSTEMS
	• DATAMINING
	• CLOUD COMPUTING,INFORMATION SYSTEM
	• COMPUTER ORGANIZATION, DISTRIBUTED SYSTEMS
	• DATA MINING, COMPUTER NETWORKS
	• OPERATING SYSTEM
	• Information System Management
SUPPORTING COURSES (HARDWARE, SCIENCE AND HUMANITIES, MATHEMATICS, ETC) THAT ARE ESSENTIAL TO THE IT CURRICULUM	• PRINCIPLES OF COMPILER DESIGN(BEING STRONG IN THE COMPILER DESIGN, INTERPRETER ETC., ARE VERY HELPFUL IN FORECASTING HOW CODE BUILDS AND HELPS TO IDENTIFY THE ERRORS EASILY..) DATA STRUCTURES AND ALGORITHMS(IT NEEDS OPTIMIZATION IN EVERY ASPECTS,LEARNING ALGORITHMS WITH TIME AND SPEED COMPLEXITY IS VERY HELPFUL IN EVERY STREAM)
	• LINEAR ALGEBRA WITH APPLICATIONS TO MACHINE LEARNING, PROBABILITY AND STATISTICS (NEED TO BE RESTRUCTURED WITH APPLICATION PERSPECTIVE), QUANTUM COMPUTING FUNDAMENTALS(PHYSICS)
	• ALGORITHMS COURSE PLAYS A MAJOR ROLE IN DREAM COMPANIES AS THE QUESTIONS WERE ASKED TO BE SOLVED USING THE CONCEPTS LIKE DYNAMIC PROGRAMMING,BACKTRACKING ETC.., SO WE SHOULD KNOW THE CONCEPTS CLEARLY. WEB TECHNOLOGY COURSE CAN BE ADDED WITH JAVA SCRIPT, ANGULAR JS AND OTHER CONCEPTS RELATED TO IT. IN JAVA COURSE, WE CAN ADD J2EE CONCEPTS AND A BASE FOR ANY ONE FRAMEWORK IN JAVA LIKE SPRING, HIBERNATE.
	• INTRO TO INDUSTRY FRAMEWORKS LIKE - ANGULAR,REACT NATIVE,HIBERNATE,SPRING, HANDLEBARJS(TEMPLATING) SOME OPEN SOURCE TOOLS LIKE TENSORFLOW
	• EMBEDDED C - SINCE SOME SOFTWARE NEED THEIR OWN HARDWARE

	COURSES ON LAWS REGARDING BUSINESS,PATENTS AND INTELLECTUAL PROPERTY
CORE COURSES THAT CAN BE REMOVED FROM THE CURRICULUM	Information Systems Mobile Application Development (Programming can be self learnt.) Cloud Computing (Course plan is not in par with industrial requirements. Content is too vague.)
	Wireless and Mobile Communication - useful if learnt but unrelated to IT domain
	"Capstone course and Engineering by Design"
	1.Problem solving using computers - Mostly teaches C language which can be a intro part of OOPS using C++ 2.Web Technologies and DBMS - can be combined into a same course so as to achieve better at queries and dynamic web pages 3.Web technology and DBMS Lab - Since they can be combined into a theory cum practical course, no need of seperate labs
	1. Accounts and Finance - 2. Wireless Communication
	Wireless communication could be combined. Information storage management could be shortened and combined with access and retreival
	Engineering By Design - Because it is similar to software Engineering Computer Organisation - Couldn't understand a bit of it Information System - The concepts in this subject were never used anywhere
	Engineering by design - no use Information system-
	Information storage management

Action Taken:

Recommended to the Course designers to consider the suggestions during curriculum Revamp/Course Revision

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