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CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

FEEDBACK ANALYSIS REPORT OF STAKEHOLDERS (2023-24)

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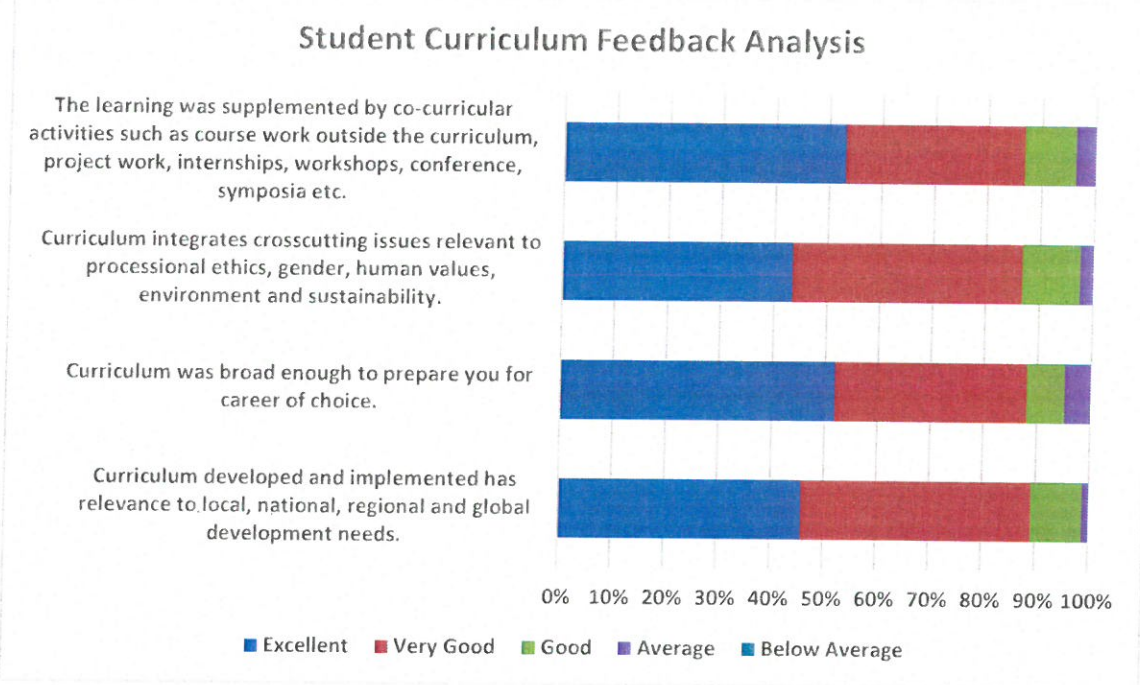
Chandubhai S Patel Institute of Technology

Analysis of Feedback on Syllabus/Curriculum
AY: 2023-24

- **Analysis of Feedback by Student**



	Excellent	Very Good	Good	Average	Below Average
Percentage(%)	48.49%	39.16%	09.34%	3.01%	0%

- Overall syllabus is good.
- More practical session required than theory session.
- Labs of SNT course should be required.
- 7th sem subjects should be transferred to early semester/ Cutting edge techonology courses should be offered before 7th sem
- Include SE course in 6th sem
- let students have more flexibility over the choices of elective course

- **Analysis of Feedback by Employers**

- Team work and team collaboration is somehow needs to be improved.
- English presentation skills still needs to be improved.
- Some student needs to focus and improve technical/coding skill.
- Overall syllabus is satisfactory.

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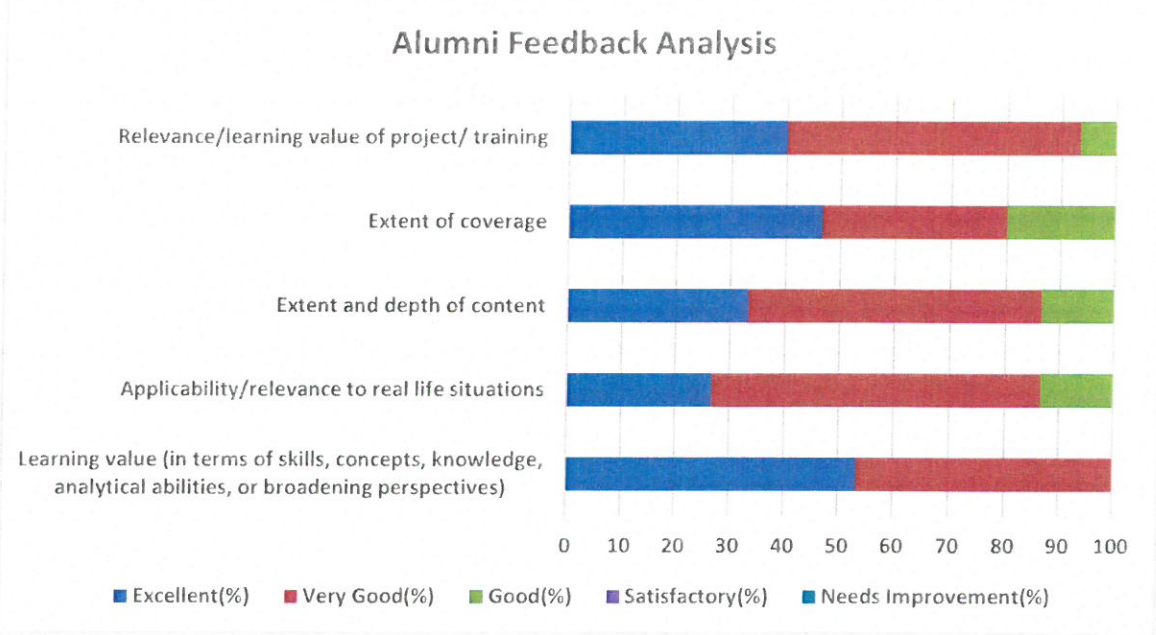
- **Analysis of Feedback by Alumni**



	Excellent	Very Good	Good	Satisfactory	Needs Improvement
Percentage(%)	40%	49.33%	10.67%	0%	0%

- Keep updating the course and electives as per the current Technology trends and needs.
- Course priority/sequence should be changed, Some courses should be offered in early semester.
- Include more concepts of AI/Cloud /Security/NodeJS etc.
- More practical approach.
- Advance courses from coursera or any other platform should be compulsory.
- More focus on Software Group Projects.
- Credit transfer for cretification courses.

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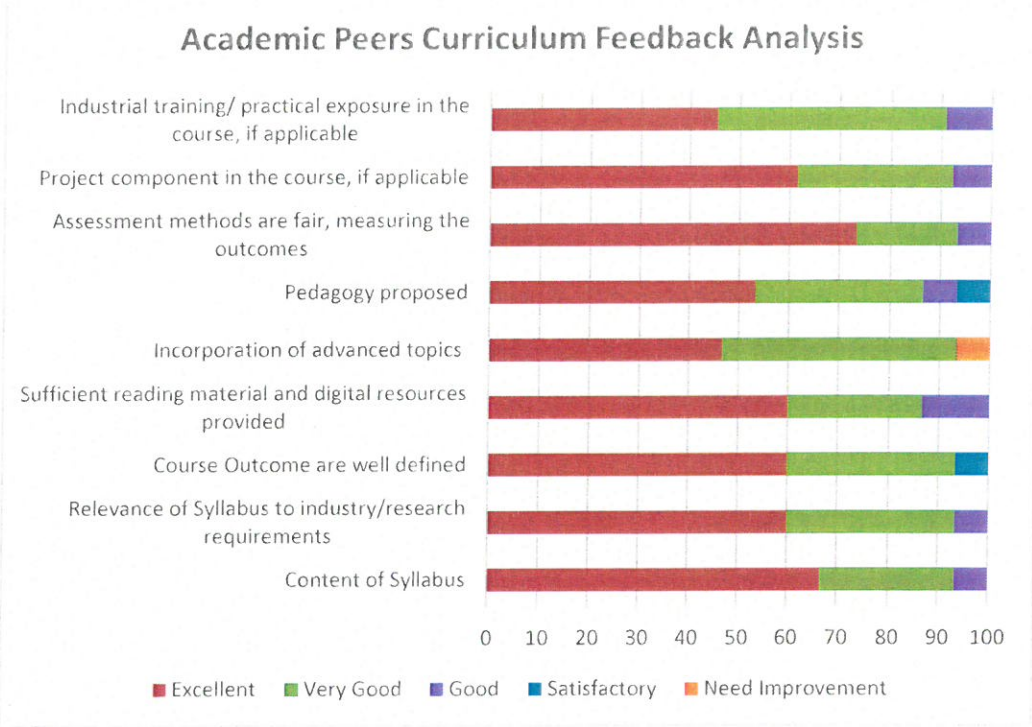
- **Analysis of Feedback by Academic Peers/Teacher**



	Excellent	Very Good	Good	Satisfactory	Needs Improvement
Percentage(%)	58.56%	32.91%	06.31%	1.48%	0.74%

- Overall curriculum content is good.
- ADBMS should be offered.
- Syllabus content is well defined and as per the industry standard.
- Students should be encouraged to learn from textbook.
- Windows function, stored procedures are required in DBMS.
- Students have done good projects with various technologies.

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CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

FEEDBACK ACTION TAKEN REPORT OF STAKEHOLDERS (2023-24)

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Chandubhai S Patel Institute of Technology

Summary and Action Taken Report of Feedback on Curriculum
AY: 2023-24

Category	Comments	Action Taken
Alumni	Suggestion on updating the course and electives as per the current Technology trends and needs	French, Research Writing and Ethics , Mastering Competitive Programming and microservice programming courses are being introduced as electives in the upcoming year (2024-25) to meet technology demands.[Annexure-I]
	Course priority/sequence should be changed, Some courses should be offered in early semester	We have incorporated suggesions in the upcoming year.The courses like Software Engineering, Language Processors, and Cloud Computing will be offered earlier in the upcoming semester.[Annexure-I]
	Suggestion on more focus on SGP.	Department will orient the students regarding importance of project competition with excellence by organizing Solution challenege competition. Department will plan to orient students with different project categories with potential trust ares.[Annexure-II]
	Credit transfer for cretification courses.	The university has decided to offer SWAYAM NPTEL courses as elective , and their credits will be fully or partialy transfer in university result. .[Annexure-I]
Employer	Team work and team collaboration is somehow needs to be improved.	The department will motivate students to take part in project compitions ,Tech fest ,Hackathon to promote team building.In

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		software group project course, department will allow students to build the project in a team of 2-3 students.
	English presentation skills still needs to be improved.	Department has start taking Seminar presentation in each course during lab hours.[Annexure-III]
	Some student needs to focus and improve technical/coding skill.	The programming courses will include problems from online coding plateforms such as Hackerank, Code chef, Coding Ninja ,Leetcode etc to improve the coding skill of the students.The department has planned to offer competitive programming course in upcoming year.
Student	Labs of SNT course should be required.	The department has incorporated laboratory sessions for the SNT course.[Annexure-IV]
	7th sem subjects should be transferred to early semester	The Language Processor,Internet of Things, Software Engineering and Cloud Computing courses will be offerd in 3rd year of B.Tech IT.[Annexure- I]
	Include SE course in 6th sem	
	let students have more flexibility over the choices of elective course	The Department will offer more elective courses in upcoming year with the discussion with BOS members.[Annexure-I]
	More Practical/lab sessions should be required than theory session.	The Prctical credits/hours will increased for course with more practical components. [Annexure-V]
Teacher	ADBMS should be offered	Fcaulty board had advised to offer advanced courses in Master level.
	Windows function, stored procedures are required in DBMS.	The course coordinator of DBMS has incorporated the sugession in DBMS practical component. [Annexure-VI]

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Annexure – I

Teaching Schemes For B. Tech 5th - 6 th Semester

Information Technology

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY Date : 05/07/2024

CHANDUBHAI S. PATEL INSTITUTE OF TECHNOLOGY

BACHELOR OF TECHNOLOGY

Syllabus Details

Effective Year 2024-25

Program : BTECH(IT) **Semester** : 5
Total Subjects : 8
Total Regular Subjects : 5
Total Elective Subjects : 3

Group Name : Regular

Course Code	Course Title	Teaching Scheme					Examination Scheme						
		CREDIT				TOTAL HOURS	TH		PR		PRJ		TOTAL
		TH	PR	PRJ	TOTAL		Internal	External	Internal	External	Internal	External	
IT361	SOFTWARE ENGINEERING	2.00	2.00		4.00	6.00	0/15	14/35	0/50	20/50	-	-	150
IT362	ARTIFICIAL INTELLIGENCE & MACHINE LEARNING	4.00	1.00		5.00	6.00	0/30	28/70	0/25	10/25	-	-	150
IT343	OPERATING SYSTEM	4.00	1.00		5.00	6.00	0/30	28/70	0/25	10/25	-	-	150
IT363	PROJECT - II		1.00		1.00	2.00	-	-	0/25	10/25	-	-	50
IT346	SUMMER INTERNSHIP-I		3.00		3.00	3.00	-	-	0/75	30/75	-	-	150
					18.00	**23.00**							**650**

Group Name : HS Elective

Course Code	Course Title	Teaching Scheme					Examination Scheme						
		CREDIT				TOTAL HOURS	TH		PR		PRJ		TOTAL
		TH	PR	PRJ	TOTAL		Internal	External	Internal	External	Internal	External	
HS131.02 A	COMMUNICATION AND SOFT SKILLS		2.00		2.00	2.00	-	-	0/30	28/70	-	-	100
HS142 A	FRENCH		2.00		2.00	2.00	-	-	0/30	28/70	-	-	100

Group Name : Elective 5.2

Course Code	Course Title	Teaching Scheme					Examination Scheme						
		CREDIT				TOTAL HOURS	TH		PR		PRJ		TOTAL
		TH	PR	PRJ	TOTAL		Internal	External	Internal	External	Internal	External	
IT396	INTRODUCTION TO RESEARCH METHODOLOGY		2.00		2.00	2.00	-	-	0/50	20/50	-	-	100
IT397	COMPETITIVE PROGRAMMING ESSENTIALS		2.00		2.00	2.00	-	-	0/50	20/50	-	-	100

Date : 09/07/2024

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHANDUBHAI S. PATEL INSTITUTE OF TECHNOLOGY

BACHELOR OF TECHNOLOGY

Syllabus Details

Effective Year 2024-25

Program : BTECH(IT)
Total Subjects : 8
Total Regular Subjects : 5
Total Elective Subjects : 3

Semester : 5

Group Name : Elective 5.1

Course Code	Course Title	Teaching Scheme					Examination Scheme						
		CREDIT				TOTAL HOURS	TH		PR		PRJ		TOTAL
		TH	PR	PRJ	TOTAL		Internal	External	Internal	External	Internal	External	
IT389	DATA ANALYTICS & VISUALIZATION	3.00	1.00		4.00	5.00	0/30	28/70	0/25	10/25	-	-	150
OCIT3001	ETHICAL HACKING	3.00	1.00		4.00	5.00	0/25	30/75	0/25	10/25	-	-	150
IT390	EMBEDDED PROGRAMMING	3.00	1.00		4.00	5.00	0/30	28/70	0/25	10/25	-	-	150
IT391	DESIGN PATTERNS & FRAMEWORKS	3.00	1.00		4.00	5.00	0/30	30/70	0/25	10/25	-	-	150

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHANDUBHAI S. PATEL INSTITUTE OF TECHNOLOGY

Date : 09/07/2024

BACHELOR OF TECHNOLOGY

Syllabus Details

Effective Year 2024-25

Program : BTECH(IT)
Total Subjects : 8
Total Regular Subjects : 5
Total Elective Subjects : 3

Semester : 6

Group Name : Elective 6.1

Course Code	Course Title	Teaching Scheme					Examination Scheme						
		CREDIT				TOTAL HOURS	TH		PR		PRJ		TOTAL
		TH	PR	PRJ	TOTAL		Internal	External	Internal	External	Internal	External	
OCIT3002	DEEP LEARNING WITH COMPUTER VISION	3.00	1.00		4.00	5.00	0/25	30/75	0/25	10/25	-	-	150
IT384	BLOCKCHAIN TECHNOLOGIES	3.00	1.00		4.00	5.00	0/30	28/70	0/25	10/25	-	-	150
OCIT3003	INTERNET OF THINGS	3.00	1.00		4.00	5.00	0/25	30/75	0/25	10/25	-	-	150
IT392	MICRO SERVICE PROGRAMMING	3.00	1.00		4.00	5.00	0/30	28/70	0/25	10/25	-	-	150

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY Date : 09/07/2024

CHANDUBHAI S. PATEL INSTITUTE OF TECHNOLOGY

BACHELOR OF TECHNOLOGY

Syllabus Details

Effective Year 2024-25

Program : BTECH(IT) **Semester** : 6
Total Subjects : 8
Total Regular Subjects : 5
Total Elective Subjects : 3

Group Name : Regular

Course Code	Course Title	Teaching Scheme					Examination Scheme						
		CREDIT				TOTAL HOURS	TH		PR		PRJ		TOTAL
		TH	PR	PRJ	TOTAL		Internal	External	Internal	External	Internal	External	
IT366	MOBILE APPLICATION DEVELOPMENT		4.00		4.00	4.00	-	-	0/100	40/100	-	-	200
IT348	CRYPTOGRAPHY & NETWORK SECURITY	4.00	1.00		5.00	6.00	0/30	28/70	0/25	10/25	-	-	150
IT367	CLOUD COMPUTING	3.00	1.00		4.00	5.00	0/30	28/70	0/25	10/25	-	-	150
IT365	LANGUAGE PROCESSORS	3.00	1.00		4.00	5.00	0/30	28/70	0/25	10/25	-	-	150
IT368	PROJECT-III		1.00		1.00	2.00	-	-	0/25	10/25	-	-	50
					18.00	**22.00**							**700**

Group Name : HS Elective

Course Code	Course Title	Teaching Scheme					Examination Scheme						
		CREDIT				TOTAL HOURS	TH		PR		PRJ		TOTAL
		TH	PR	PRJ	TOTAL		Internal	External	Internal	External	Internal	External	
HS132.02 A	CONTRIBUTORY PERSONALITY DEVELOPMENT		2.00		2.00	2.00	-	-	0/30	28/70	-	-	100

Group Name : Elective 6.2

Course Code	Course Title	Teaching Scheme					Examination Scheme						
		CREDIT				TOTAL HOURS	TH		PR		PRJ		TOTAL
		TH	PR	PRJ	TOTAL		Internal	External	Internal	External	Internal	External	
IT398	RESEARCH WRITING AND ETHICS		2.00		2.00	2.00	-	-	0/50	20/50	-	-	100
IT399	MASTERING COMPETITIVE PROGRAMMING		2.00		2.00	2.00	-	-	0/50	20/50	-	-	100

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Annexure – II

Information Technology

Reg : Round-2_Two-Day Hackathon cum SGP Internal Review_2023 Solution Challenge

External Inbox ×

Nishat Shaikh <nishatshaikh.it@charusat.ac.in> Wed, Sep 20, 2023, 10:20 AM

to 21it, 20it003, SAGAR, 20it013, 20it048, 20IT128, 20it133, IT, Head, Hemant

Dear Students,

Our Two-Day Hackathon cum SGP Internal Review is scheduled for September 29th and 30th, 2023. Further details will follow soon.

--

With Regards,

Ms. Nishat A. Shaikh,
Assistant Professor,
K.D.Patel Department of Information Technology,
CSPIT , FTE , CHARUSAT, Changa.

Nishat Shaikh <nishatshaikh.it@charusat.ac.in> Sep 28, 2023, 2:33 PM

to 21it, 20it003, SAGAR, 20it013, 20it048, 20IT128, 20it133, IT, Head, Hemant

Dear Students,

We are excited to inform you about the upcoming Hackathon cum SGP Internal Review, which promises to be an exciting and enriching experience for all of us.

Below, you will find detailed instructions and the schedule for the event:

Date: 29/09/2023 & 30/09/2023

Venue: will be shared by evening.

Schedule:

9:00 AM - 11:00 AM: Interaction with External Jury Member and Necessary Suggestions

11:00 AM - 12:00 PM: Evaluation Round-1

12:00 PM - 1:00 PM: Break Time

1:00 PM - 2:00 PM: Mentoring and Observation from Jury Members

2:00 PM - 3:00 PM: Evaluation Round-2

Evaluation Criteria:

1. Innovation/Startup Potentials

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Annexure – III

Information Technology

Fwd: Regarding Course pedagogy

Inbox ×

Madhav Ajwalia Jul 5, 2023, 5:42 PM

Dear All, Kindly make an entry of pedagogy of your subject in this shared sheet. One internal examination on the tablet is compulsory. Common pedagogy like inte

---

Madhav Ajwalia <madhavajwalia.it@charusat.ac.in> Jul 7, 2023, 10:20 AM

to IT, Head, Purvi

Dear All,

You are requested to make an entry in this sheet, if any pending, before 11.30 AM today.
Note: Marks for the internal theory exam and internal practical exam component as per the teaching scheme is mentioned for each subject.

•••

Parth Shah <parthshah.ce@charusat.ac.in> Jul 8, 2023, 9:33 AM

to Madhav, IT, Purvi

Dear All,

You are requested to introduce the seminar presentation and group discussion as a part of pedagogy. Requesting all of you to provide the weightage to both of the components.

This is to strengthen the communication skills of the students. This shall be applicable to 1st, 2nd and 3rd year students only.

Parth Shah <parthshah.ce@charusat.ac.in> Jul 8, 2023, 9:33 AM

to Madhav, IT, Purvi

Dear All,

You are requested to introduce the seminar presentation and group discussion as a part of pedagogy. Requesting all of you to provide the weightage to both of the components.

This is to strengthen the communication skills of the students. This shall be applicable to 1st, 2nd and 3rd year students only.

On Wed, Jul 5, 2023 at 5:42 PM Madhav Ajwalia <madhavajwalia.it@charusat.ac.in> wrote:

•••

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Rgds,
Parth Shah

KDPIT
अन्वेषणम् प्रतिभा
Smt. Kundalben Dinsha Patel Department of Information Technology

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Annexure – IV

Information Technology

BM241	HEALTH CARE MANAGEMENT		2.00		2.00	2.00	-	-	0/30	28/70	-	-	100
EE287	MATLAB PROGRAMMING		2.00		2.00	2.00	-	-	0/30	28/70	-	-	100
EE288	MAINTENANCE OF HOUSEHOLD APPARATUS		2.00		2.00	2.00	-	-	0/30	28/70	-	-	100
PH238.02	COSMETICS IN DAILY LIFE		2.00		2.00	2.00	-	-	0/30	28/70	-	-	100
PT192.01	OCCUPATIONAL HEALTH & ERGONOMICS		2.00		2.00	2.00	-	-	0/30	28/70	-	-	100
NR261.01	LIFE STYLE DISEASES & MANAGEMENT		2.00		2.00	2.00	-	-	0/30	28/70	-	-	100
IT284	DATA VISUALIZATION		2.00		2.00	2.00	-	-	0/30	28/70	-	-	100

Group Name : Regular

Course Code	Course Title	Teaching Scheme					Examination Scheme						
		CREDIT				TOTAL HOURS	TH		PR		PRJ		TOTAL
		TH	PR	PRJ	TOTAL		Internal	External	Internal	External	Internal	External	
IT263	COMPUTER ARCHITECTURE & MICROPROCESSOR INTERFACING	4.00	1.00		5.00	6.00	0/30	28/70	0/25	10/25	-	-	150
IT261	COMPUTER NETWORKS	3.00	1.00		4.00	5.00	0/30	28/70	0/25	10/25	-	-	150
IT265	DESIGN AND ANALYSIS OF ALGORITHMS	4.00	1.00		5.00	6.00	0/30	28/70	0/25	10/25	-	-	150
IT264	FULL STACK WEB DEVELOPMENT		2.00		2.00	4.00	-	-	0/50	20/50	-	-	100
IT266	PROJECT - I		1.00		1.00	2.00	-	-	0/25	10/25	-	-	50
MA262	STATISTICAL AND NUMERICAL TECHNIQUES	3.00	1.00		4.00	5.00	0/30	28/70	0/25	10/25	-	-	150

STATISTICAL AND NUMERICAL TECHNIQUES
(MA262)-PRACTICAL LIST

K.D Patel Department of Information Technology

Semester: IV

Sr. No	Practical
1	**1. Sampling Distributions and Test of Hypothesis** 1.1 Demonstrate the random number generation application in OTP generation and analyse the distribution. 1.2 Apply the concepts such as point estimation and interval estimation in data analysis. 1.3 Create a framework for hypothesis testing that will evaluate on how well operating system scheduling algorithms work for better resource management and system performance and generate visualizations such as box plots or histograms.
2	**2. Simulation** 2.1 Perform network traffic analysis using poison distribution. 2.2 Understand the concept of binomial or normal distribution in game development. 2.3 Estimate the stock price using Monte Carlo simulations.
3	**3. Case study on regression and correlation analysis**
4	**4. Interpolation and curve fitting** 4.1.Error Analysis 4.2.Lagrange's Interpolation 4.3.Newton's Interpolation 4.4.Least Squares Curve Fitting (Linear) 4.5.Least Squares Curve Fitting (Quadratic)
5	**5. Numerical Integration and numerical solution of different types of equations.** 5.1.Design and implement a Python program that demonstrates the numerical integration methods: Rectangle Rule, Trapezoidal Rule, and Simpson's Rule. 5.2.Design and implement a Python program that demonstrates three different numerical methods for finding roots of equations: Bisection Method, False Position Method (Regula-Falsi), and Newton-Raphson Method

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Annexure – V

Information Technology

Date : 09/07/2024

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHANDUBHAI S. PATEL INSTITUTE OF TECHNOLOGY

BACHELOR OF TECHNOLOGY

Syllabus Details

Effective Year 2024-25

Program : BTECH(IT)
Total Subjects : 7
Total Regular Subjects : 6
Total Elective Subjects : 1

Semester : 7

Group Name : Regular

Course Code	Course Title	Teaching Scheme					Examination Scheme						
		CREDIT				TOTAL HOURS	TH		PR		PRJ		
		TH	PR	PRJ	TOTAL		Internal	External	Internal	External	Internal	External	TOTAL
IT451	SOFTWARE ENGINEERING	3.00	1.00		4.00	5.00	0/30	28/70	0/25	10/25	-	-	150
IT442	ADVANCED COMPUTING	3.00	1.00		4.00	5.00	0/30	28/70	0/25	10/25	-	-	150
IT443	LANGUAGE PROCESSORS	4.00	1.00		5.00	6.00	0/30	28/70	0/25	10/25	-	-	150
IT444	INTERNET OF THINGS	3.00	1.00		4.00	5.00	0/30	28/70	0/25	10/25	-	-	150
IT446	SUMMER INTERNSHIP-II		3.00		3.00	3.00	-	-	0/75	30/75	-	-	150
IT484	SOFTWARE GROUP PROJECT - IV		4.00		4.00	4.00	-	-	0/100	40/100	-	-	200

Date : 09/07/2024

CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
CHANDUBHAI S. PATEL INSTITUTE OF TECHNOLOGY

BACHELOR OF TECHNOLOGY

Syllabus Details

Effective Year 2024-25

Program : BTECH(IT)
Total Subjects : 8
Total Regular Subjects : 5
Total Elective Subjects : 3

Semester : 6

Group Name : Regular

Course Code	Course Title	Teaching Scheme					Examination Scheme						
		CREDIT				TOTAL HOURS	TH		PR		PRJ		
		TH	PR	PRJ	TOTAL		Internal	External	Internal	External	Internal	External	TOTAL
IT366	MOBILE APPLICATION DEVELOPMENT		4.00		4.00	4.00	-	-	0/100	40/100	-	-	200

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Annexure – VI

Information Technology

Practical-10

Aim: To create a PL/SQL procedure that performs the multiplication of two numbers. The procedure will take two input parameters and return the product.

Constraints

1. **Input Parameters**: The procedure will accept two input parameters of type NUMBER.
2. **Output Parameter**: The procedure will have an output parameter to return the result of the multiplication.
3. **Error Handling**: The procedure will handle potential errors such as invalid input types.

Test Cases -