

Student centric methods

Student centric method of teaching is the most approved pedagogy followed by all the faculties of the institution. The institution takes several measures to help students to make their learning easy and interesting, also improve their general academic knowledge and skills. The traditional method of teaching is replaced by student participation in the class room activities. The classes are usually interactive with the students coming up with their own innovative ideas and viewpoints with the guidance of the teacher. Experiential learning: Students learn through field work, by which they transform their theoretical knowledge to practical one. Through Mini and Major Project Development, students learn to transform the user requirements by developing software. It helps to bridge the gap between theoretical concepts and its practical applications. Participative learning This method is adopted through Industrial visits Educational Tour Seminars, webinars and Workshops Social Activity : Students take part in several extra and co-curricular activities like Cleanliness drive, tree-planting and fitness drive etc. Group Discussion. Problem solving methodologies: Provision of Question bank prepared by teachers Class Test, Tutorial, Assignments Practical Assignment, Project , case studies, critical thinking exercises etc.

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

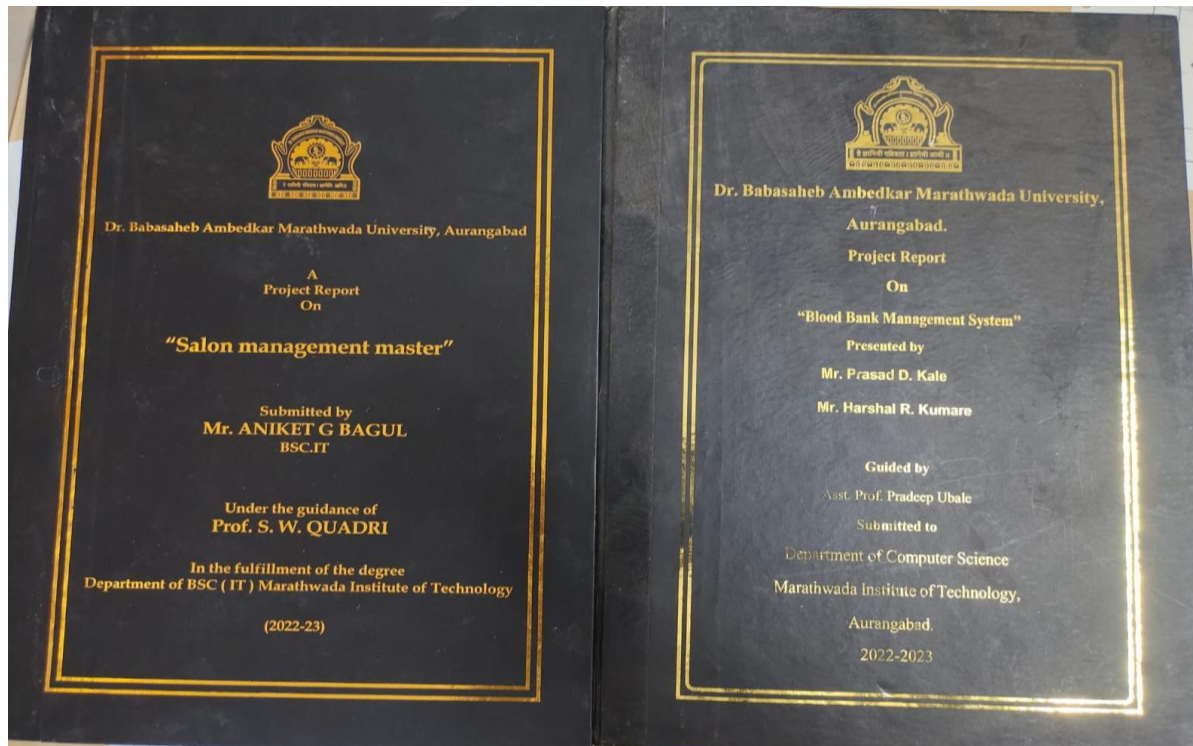


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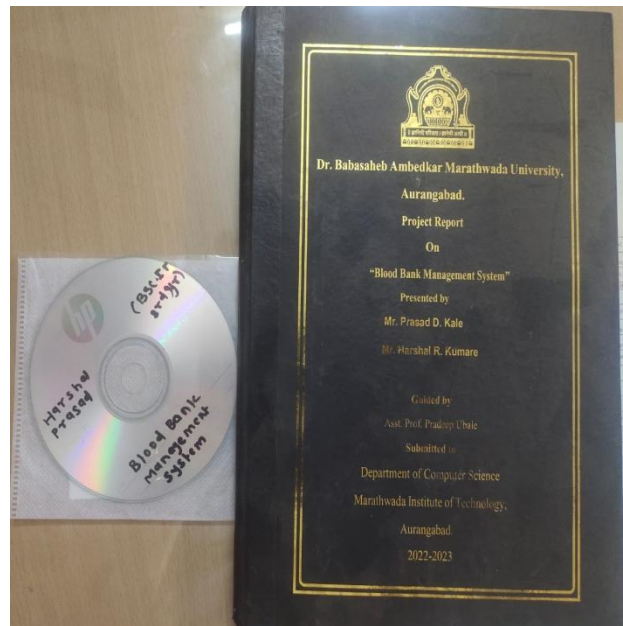
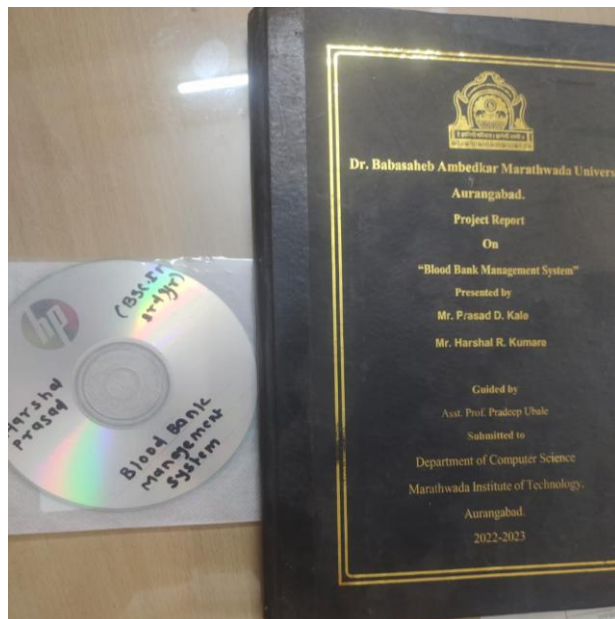
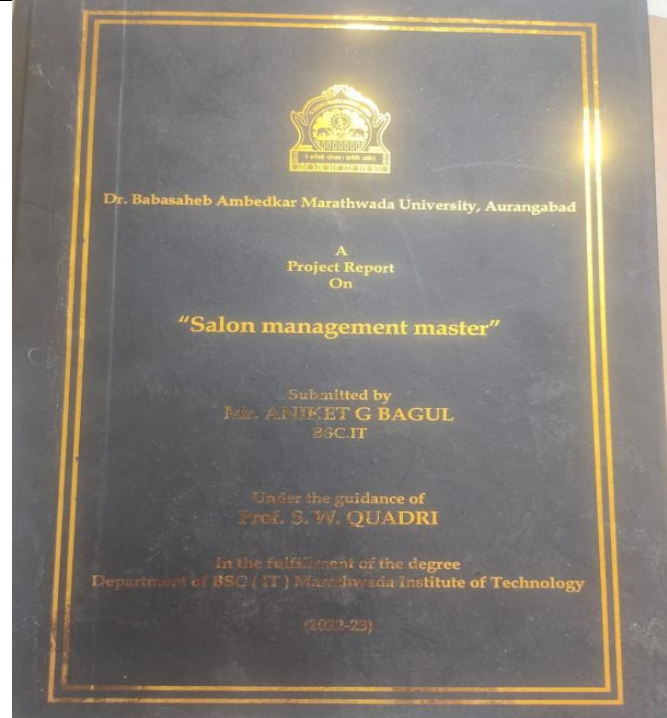
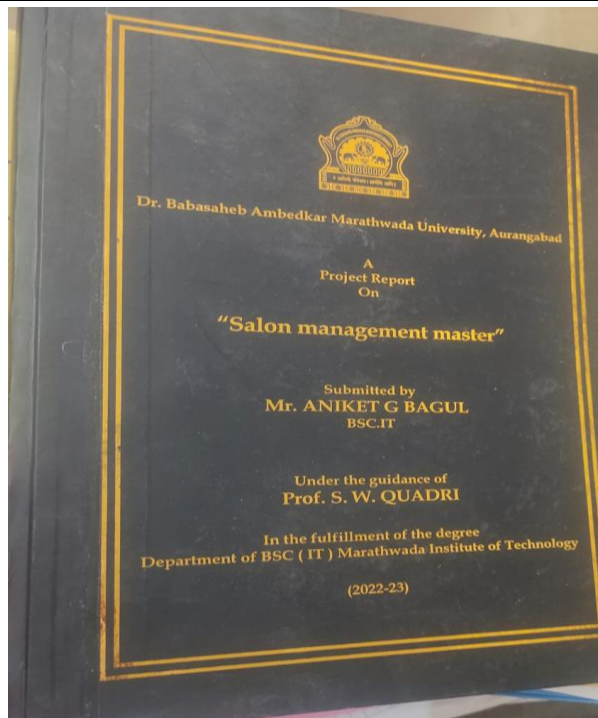
Experiential Learning

1.Project Based Learning(PBL): The faculty members in the respective departments have extensive interaction with the students during their Group project, Major project, Lab experiments , Lab projects. It may be noted that all these projects are part of the main curriculum .

Projects Made by Students



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Projects made by B.Sc. Automobile Students



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Felicitation of B.Sc. CS/BCA students Pallavi Mehere(BCA), Kartik Tak(BCA), Shreya Kharad (B.Sc. CS) in presence of Hon. Dr. Yadnavir Kawade sir, President, Gramaudyogik Shikshan Mandal (GSM), Aurangabad, Prof. Maharudra Patil sir for **completing Oracle Academy courses** at MIT CIDCO Aurangabad.



2.Internships: Students of M.Sc. CS/IT II year undergo rigorous internships in industries during their Semester end. The work experience in the Industrial Internship period greatly enhances their skill and knowledge. Institute help them finding suitable internship positions and monitor their punctuality, learning, discipline and performance in their semester end.

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JU Technology

Balaji Nagar,
Aurangabad, 431003
admin@jutech.in

Date: May 19, 2023

TO WHOM IT MAY CONCERN

Internship Completion Letter

We are glad to inform you that **Mr. Sumedh Jaydrath Bankar** from **MIT College, N4 Cidco Aurangabad**, has successfully completed his internship at **JU Technology**, from 03 April 2023 - 31 May 2023.

During his internship, he was exposed to various activities in the SEO and Digital Marketing domain. He was working on the digital platform 'maharajgar.com' where he wrote blogs, and did market research, search engine optimization, and trend analysis.

We found him sincere and dedicated. His association with us was fruitful and we wish him all the best in his future endeavors.

With regards,



Co-founder, JU Technology

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Software Solutions

Ref No: 2022-23/UM24/003

Date: 27-01-2023

To,

Ashwini Keshavrao Tayde,

Dear Applicant,

Congratulations , With reference to your application and subsequent interview with us, we are pleased to appoint you as **Trainee (Jr. Software Developer)**.

Joining Date : You will be joining us on 1st Feb, 2023 to 30th June 2023.

Please sign and return to the undersigned the duplicate copy of this signifying your acceptance.

We welcome you to the Krescendo Software Solutions family and look forward to fruitful collaboration.

Venue: Krescendo Softwares,
Plot no. 68, Mhada Colony,
Behind Saptapadi Magalkaryalat, near Baliram Patil High School,
Cido n7, Aurangabad – 431001
Email : krescendo.info@gmail.com
Website : www.krescendo.co.in

With best wishes!




Director

KRESCENDO SOFTWARES

Ashwini Tayde

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LBE Group 

Confidential

<1 March 2023>

Rohini Krishna Dhoble

Subject: Letter of Internship / Training

Dear Rohini,

In reference to your application, we would like to congratulate you on being selected for Internship/Training with LBE Group. Your Internship/Training is scheduled to start effective **01-March-2023** with the following/attached terms and conditions. All of us at LBE Group is excited that you will be joining our team!

As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts through hands-on application of the knowledge you learned in your tenure.

The project details and technical platform will be shared with you on or before commencement of Internship/Training. You should report for Internship/Training at the LBE Group Pune office on **01-March-2023**


Again, congratulations and we look forward to working with you.

Please Note: In case you fail to join the date mentioned, the LBE Group reserves the right to cancel this letter of Internship/Training.

Yours sincerely,
for LBE Group
Aditi Deshmukh
aditi@learnbyexamples.info
+91 7588177352

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LBE Group | 602 Om Paradise , Pashan road, Sus, Pune, Maharashtra,
411021, India | +918830632088 |www.learnbyexamples.info

LBE Group 

Confidential

<1 March 2023>

Priyanka Subhash Muthe

Subject: Letter of Internship / Training

Dear Priyanka,

In reference to your application, we would like to congratulate you on being selected for Internship/Training with LBE Group. Your Internship/Training is scheduled to start effective **01-March-2023** with the following/attached terms and conditions. All of us at LBE Group is excited that you will be joining our team!

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3. Industrial Visits / Field Visit: Students are regularly taken to Industrial visits relevant to their courses to have realistic Industrial exposure and practical knowledge to reputed industries . Also, students understand the requirements and demands of Industries

MIT CIDCO Aurangabad organized field Visit to “Advantage Maharashtra EXPO 2023” Aurangabad , on dated 7th January 2023.



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Educational Tour at Infosys Pune , on Dated 28/01/2023



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Educational visit at MIT, Satara, Aurangabad

DATE : Friday, 30th Sept 2022



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4. Computer-Assisted learning: The college has well equipped Computer Lab , Digital library facility for the students to use Internet and consult online Lectures for searching technical information required for their projects, seminars and other academic requirements which forms part of their degree requirement. The video lessons available from SWAYAM , NPTEL to enhance their learning.



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Participative Learning

Seminar on "Career Opportunities in IT sector"

The seminar on "Career Opportunities in IT sector" was organized in MIT CIDCO Aurangabad, of the leading I.T company Orange ITect Pvt. Ltd Pune, on dated 25/02/2023. The CEO of the Company Mrs. Archana Nigade guided students about various oppourtunities in the IT Sector.



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TWO DAYS WORKSHOP ON “WEB DEVELOPMENT”

Date : 24th Jan 2023 and 25th Jan 2023

Speaker: **Dr. Prashant Chintal**

M. I. T. CIDCO College, Aurangabad, organized “TWO DAYS WORKSHOP ON WEB DEVELOPMENT”, to give students the detail knowledge of Website Designing, Basic to advance knowledge of HTML, CSS and Bootstrap etc., PHP and database basics with connectivity demo Web Pages. The event attracted an attendance of 45 students



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One Day Workshop on Servicing and Assembly of Lathe Machine

Dated : 25th February 2023



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A Seminar on “Entrepreneurship Development”

DATE: Friday, 17th March 2023



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Seminar & Demonstration on “Road Safety Awareness”

DATE: Wednesday, 14th Sept 2022

KEY PERSON: Brave Safety & Fire Academy and Bajaj Auto. Ltd.

A Seminar & Demonstration on “Road Safety Awareness” was organized on Wednesday, 14th Sept 2022 by B.Sc. AT/WT/RAC Department. MIT College, CIDCO, Aurangabad. Asst. Prof. Vijaya Patil greeted the students and introduced the programme to all. Mr. Vikas Rayte was the resource person who covered importance of road safety awareness.



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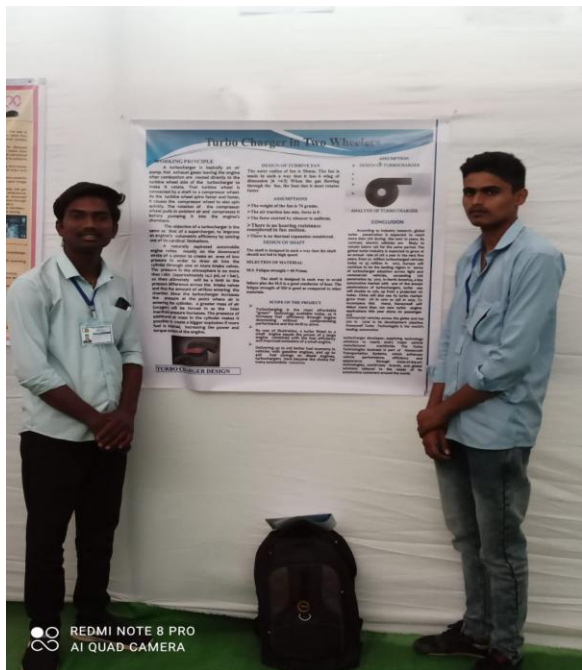
Students Participation in the University “Yuva Mashostav”



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Problem Solving Methodology

Students participation in the University Level Avishkar Competition



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Institute encourage the students to gain and increase problem-solving skills. Motivate students to participate in various activities such as-

- Regular Assignments based on problems
- Project development
- Regular Quizzes
- Case studies Discussion
- Participation in Inter college events

Critical Thinking

Assignment No 5

Select **One** Topic (Any topic it may be Political, Social, Economic, Technical, Educational etc.)

Critically Think about it. If you like Discuss it with your friends. Finally Search online for more Information.

Write your *Critical Thinking Analysis* about that topic in **minimum 500 to 1000** words. Write your analysis with proper *facts, logical arguments, evidences and proofs* (You can add references to them also).

If you are writing your Opinions then backed them with *proper facts and proofs* rather than just *emotions, feelings and intuition*.

Note:

Read Above instructions carefully.

Choose *Unique* Topic.

Do not choose any *Contraversial* Topic.

Do not choose a topic that you don't understand or can't explain.

(Do not copy your friends topic, you have to explain the topic in viva)

If you find your topic is similar to your classmate, Your analysis must be different from him/her.

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Programming Methodology

Tutorial Questions

Programming Methodology Tutorial Questions

Tutorial Questions

1. Explain types of programming methodology in detail.
2. Explain concept of assembler, compiler and interpreter.
3. Explain concept of modular programming in detail.
4. Explain algorithms, features of algorithm, advantages and disadvantages.
5. What are principles of flowchart drawing and explain flowchart symbols in details.

Instructions: You need to solve and submit above questions as tutorial for Programming Methodology.

Tutorial Question

BCA V Sem

Management Accounting

Q.1 DEFINE MANAGEMENT ACCOUNTING. DISCUSS THE NATURE SCOPE AND FUNCTIONS OF MANAGEMENT ACCOUNTING. DISTINGUISH BETWEEN MANAGEMENT ACCOUNTING AND FINANCIAL ACCOUNTING.

Q.2 EXPLAIN THE MEANING OF THE TERM “FINANCIAL STATEMENTS”. EXPLAIN ITS OBJECTIVE . WHAT ARE THE IMPORTANCE AND LIMITATIONS OF FINANCIAL STATEMENTS?

Q.3 WHAT IS CASH FLOW STATEMENT? WHAT ARE THE SOURCES AND APPLICATION OF CASH? DRAW A SPECIMEN FORM OF CASH FROM OPERATION AND CASH FLOW. 22/09/2022

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Q.4 Solve the problem

24	Following is the Trading and P&L A/c of shree Narendra co. ltd. For the year ending 31 st march 2005 and the balance sheet as on that date.			
	Trading and Profit & Loss A/c			
	Particulars	Amt	Particulars	Amt.
	To opening stock	200000	By sales	9,50,000
	To purchases	800000	By closing stock	2,50,000
	To Gross Profit C/d	200000		
		12,00,000		12,00,000
		100000		200000
	To Expenses	100000	By Gross B/d	
	To Net profit C/d			200000
		200000		

Balance Sheet			
Liabilities	Amt	Assets	Amt
Share Capital	900000	Dead stock	700000
Reserve & Surplus:-		Current Assets:-	
Balance 50000		Stock	250000
Profit for the year 10000	1,50,000	Debtors	100000
Bank overdraft	50,000	Cash	250000
creditors	200000		
	1300000		1300000
	1300000		1300000

You are required to calculate the following ratios:-

- 1) Current Ratio 2) Liquid Ratio 3) Gross Profit Ratio
- 4) Stock Turnover Ratio 5) Debtors Turnover Ratio
- 5) Operating Ratio 7) Proprietary Ratio

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Q.5 Problem with solution

Preparation of Necessary Ledger Accounts to find out hidden information :
Illustration 5 : From the following Balance Sheets of Mr. Anilkumar Gupta, Prepare a schedule changes in working capital and a fund flow statement.

Balance Sheets					
Particulars	2011 (₹)	2012 (₹)	Particulars	2011 (₹)	2012 (₹)
Capital	1,26,000	2,00,000	Cash	30,000	40,000
Long term loans	1,00,000	1,20,000	Debtors	60,000	56,000
Trade creditors	84,000	78,000	Stock	1,10,000	1,40,000
Bank overdraft	70,000	50,000	Furniture	30,000	24,000
Outstanding exp. salary	6,000	7,000	Machinery	1,60,000	2,00,000
Rent	4,000	5,000			
	3,90,000	4,60,000		3,90,000	4,60,000

Solution :

Particulars	2011 (₹)	2012 (₹)	Effect on working Capital	
			Increase (₹)	Decrease (₹)
A) Current Assets :				
Cash	30,000	40,000	10,000	---
Debtors	60,000	56,000	---	4,000
Stock	1,10,000	1,40,000	30,000	---
Total (A)	2,00,000	2,36,000		
B) Current Liabilities :				
Trade Creditors	84,000	78,000	6,000	---
Bank Overdraft	70,000	50,000	20,000	---
Outstanding Salary	6,000	7,000	---	1,000
Rent	4,000	5,000	---	1,000
Total (B)	1,64,000	1,40,000		
Working Capital (A - B)	36,000	96,000	---	---
Increase in working capital	60,000	---	---	60,000
	96,000	96,000	66,000	66,000

Source	₹	Application	₹
1. Raising long term loans	20,000	1. Purchase of machinery	40,000
2. Sale of furniture	6,000	2. Increase in work capital	60,000
3. Fund from operation	74,000		1,00,000
	1,00,000		

It is to be noted that the balance of non-current liabilities i.e. capital and long term loans account showing the changes between two accounting periods, 2011 & 2012.

On the other hand, the balances of non-current assets are also showing changes between two accounting periods.

To find out the 'hidden information' in respect of changes in non-current liabilities and non-current assets it is necessary to provide supportive 'workings notes' :

1. Capital Account			
Particulars	₹	Particulars	₹
To opening balance	2,00,000	By opening balance	1,26,000
To closing balance	2,00,000	By profit (balancing fig.)	74,000
			2,00,000

2. Long term loans A/c			
Particulars	₹	Particulars	₹
To opening balance	1,20,000	By opening balance	1,00,000
To closing balance	1,20,000	By cash (balancing fig.)	20,000
			2,20,000

3. Furniture A/c			
Particulars	₹	Particulars	₹
To opening balance	30,000	By cash-sale (balancing fig.)	6,000
To closing balance	30,000	By opening balance	24,000
			30,000

4. Machinery A/c			
Particulars	₹	Particulars	₹
To opening balance	1,60,000	By closing balance	1,26,000
To cash-purchase (balancing fig.)	40,000		
	2,00,000		2,00,000

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Case Studies

1. Cyber Police has arrested a Husband for misusing his wife's FB account, in a cyber case in India. He hired an ethical hacker to hack into his wife's FB account so that he can find pieces of evidence regarding her bad character.
2. Using the trojan or malware, a woman's webcam was accessed to capture her private videos and posted on an illegal website. The incident came into light when the Mumbai resident appeared for an interview.
3. The cyber fraud case of duplication of a SIM card was registered with the police when a businessman from Ahmedabad caught wind of it. He registered a complaint under the cyber and financial crime since the defrauders had submitted fake documents with the mobile company to gain the businessman's personal details.
4. In a social media related cybercrime complaint, a famous Gujarati singer claimed that her photos were being used by an unknown man, saying they were married and had a child together.
5. To gain personal revenge, an ex-boyfriend, working as a software engineer, posted his ex's personal phone number on a 24*7 dating service helpline, was arrested in a leading cybercrime case.

PRACTICES

Course: B.Sc.(C.S.)

Semester : IV

Topic: Practical Based on Web Fundamental

Paper No.: CS407P(B)

- Exercise 1. Create a simple website by using Visual Studio Express
- Exercise 2. Create additional pages
- Exercise 3. Embedding Content
- Exercise 4. Create a webpage using <table> and <div> elements
- Exercise 5. Create a webpages using conditional and looping statements.
- Exercise 6. Create a calculator webpage
- Exercise 7. Create a Webpage to introduce National Bird/Animal/Emblem/Flower
- Exercise 8. Learn more about positioning by adding more <div> elements to the webpage to define a header and footer for the page. Use CSS style rules to set the position.
- Exercise 9. Learn more about CSS selectors by adding more elements to the page and try setting the format by selecting the elements without using an id.
- Exercise 10. Learn more about colors by changing the color scheme, using RGB values.

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Course: B.Sc.(C.S.)

Semester : IV

Topic: Mini Project Using VB.Net

Paper No.: CS408P(B)

Note:

- 1) It is expected that concerned Faculty is to introduce and make the students aware about the VB.Net in First Three-Four Practical before commencing of Mini-Project.
- 2) A mini project having minimum 5 forms, use VB.Net as a front end and any DBMS as backend. Team size maximum 2 students.

Minimum contents of Project Report

1. Introduction
2. Problem definition.
3. System Requirement Specification
 - 3.1. User Interview
 - 3.2. Current System flow diagram
 - 3.3. Proposed System.
4. E-R Diagram
5. DFD
6. Sample Screens



PRINCIPAL
M.I.T. Cidco, Aurangabad