Dr. Arun Patil   Ref. No.:
Principal
                                                                  Date:

CRITERIAN II	
Key Indicator	**2.3 Teaching Learning Process**
Metric No.	2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT-enabled tools including online resources for effective teaching and learning process

Students centric methods for enhancing learning experiences :-

Exhibitions , Industrial Visit , Internships, Debate – Group Discussions, Street Play , Case studies , Assignments, Seminar and Presentation.

Teachers use ICT tools for effective teaching learning process :-
PPT for students, Youtube learning , Nptel courses

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa (Bk.), Pune - 411 0

<u>Participative Learning</u>

Talking Tree

People will receive detailed information about the tree species after scanning the code with their mobile devices. In one of a kind move, we have pasted a QR code on each tree to make it easier to learn about the trees. People and Students will receive detailed information about the tree species after scanning the code with their mobile devices. An easy access for making learning effective. Anyone who scans the QR code from a mobile will get information about respective trees

Session Plan

Vishwakarma College of Arts, Commerce and Science, Pune.
(Affiliated to Savitribai Phule Pune University)
NAAC Accredited with 'B+' Grade

FF51

Session Plan (A.Y. 2022 - 2023)

Course: F. Y. B. Com.
Sub Code: 111   Subject Name: Compulsory English - I
Type of Subject : External / Internal
No. of Session(s)/Periods Per Week : 4
Faculty Name: Rupesh P Mandlecha

Source(Weblink):http://collegecirculars.unipune.ac.in/sites/documents/Syllabus%202019/FYB%20com-English%20syllabus_21.062019.pdf

SN	Topic	Sub Topic	No.of Sessions/ Periods	Scheduled Date	Actual Date	CP	RP	Extra lecture's Date (No.of lectures)	Reason	HOD Sign	Books/ Case Study (C) /Assignment (AS) / Activity (AT)
1	Unit - 1	The Beggar- Anton Chekhov	4	22/08/2022 to 26/08/2022	22|8|22 23|8|22 24|8|22 26|8|22	1	—				PPT's, Discussion and https://www.youtube.com/watch?v=wtZ9mEdewt0
2	Unit - 2	Black Money and the Black Economy- C. Rammanohar Reddy	3	29/08/2022 to 02/09/2022	29|8|22 30|8|22 02|9|22	1	—				PPT's, Discussion
			1		5|9|22						
3	Unit - 3	The Nightingale and the Rose- Oscar Wilde	2	05/09/2022 to 09/09/2022	6|9|22 7|9|22	1	—				PPT's, Discussion and https://www.youtube.com/watch?v=d6mpVQGDb10

SN	Topic	Sub Topic	No.of Sessions/ Periods	Scheduled Date	Actual Date	CP	RP	Extra lecture's Date (No.of lectures)	Reason	HOD Sign	Books/ Case Study (C) /Assignment (AS) / Activity (AT)
3	Unit - 3	The Nightingale and the Rose- Oscar Wilde	2	12/09/2022 to 16/09/2022	12|9|22 13|9|22	1	—				PPT's, Discussion and https://www.youtube.com/watch?v=d6mpVQGDb10
4	Unit - 4	Muhammad Yunus: An Economics for Peace- Farida Khan	2		14|9|22 16|9|22	1	—				PPT's, Discussion and
5	Unit - 5	Up-Hill- Christina Rossetti	2	19/09/2022 to 23/09/2022	19|9|22 20|9|22 21|9|22	1	—				PPT's, Discussion and https://www.youtube.com/watch?v=i17-mO6Tf50
			2								
6	Unit - 6	Stay Calm- Grenville Kleiser	2	26/09/2022 to 30/09/2022	27|9|22 28|9|22	1	—				PPT's, Discussion and https://www.youtube.com/watch?v=q70Xlx1mCW0
			1								
	Class test/Home assignment/Mini		1								
6	Unit - 6	Stay Calm- Grenville Kleiser	3	03/10/2022 to 07/10/2022	3|10|22 4|10|22 7|10|22	1	—				PPT's, Discussion and https://www.youtube.com/watch?v=q70Xlx1mCW0
7	Unit - 7	Meeting and Greeting People and Dialogue Writing	4	10/10/2022 to 14/10/2022	10|10|22 11|10|22 12|10|22 14|10|22	1	—				PPT's and Group activities https://www.youtube.com/watch?v=Nk-mA5hDaPM
			4	17/10/2022 to 21/10/2022	17|10|22 18|10|22 19|10|22 21|10|22	1	—				
8	Unit - 8	Group Discussions, Interview and Interviewing Skills	3	31/10/2022 to 04/11/2022	31|10|22 1|11|22 2|11|22	1	—				PPT's and Group activities https://www.youtube.com/watch?v=12Prc9ZA81w
	Class test/Home assignment/Mini project/Viva/Case studies		1								

No.	Topic	Sub Topic	Sessions / Periods	Scheduled Date	Actual Date	CP	RP	lecture's Date (No.of lectures)	Reason	Sign	/Assignment (AS) / Activity (AT)
4		Decentralization advantages and disadvantages	2	07.11.2022 to 11.11.2022	7.11.22 (2)	2	–	–	–		
		Factors influencing organizational change, importance, challenges	2								
	Unit 4 Recent trends in management	Management of crises elements, features , merits and demerits	4	14.11.2022 to 18.11.2022	14.11.22(2) 15.11.22(2)	2	–	–	–		
		Total Quality Management elements and features	3	21.11.2022 to 25.11.2022	21.11.22(2) 22.11.22(2)	2	–	–	–		
		Total Quality management merits and demerits	2	28.11.2022 to 2.12.2022	28.11.22(2) 29.11.22(2)	2	–	–	–		
		Class test/Home assignment/Mini project/Viva/Case studies		31/10/2022 to 04/11/2022	31.10.22 (1)	1	–	–	–		Unit test on unit 3 & 4 MCQ pattern
	Revision										
	Internal Examination										
		Total	50								

CP-Completed Point
RP-Remaining Point

Subject Teacher

S. Ghorpade
Co-ordinator

HOD

Issue no. 1 Rev No. 0   Dt 1.10.2019

No.	Topic	Sub Topic	Sessions / Periods	Scheduled Date	Actual Date	CP	RP	lecture's Date (No.of lectures)	Reason	HOD Sign	/Assignment (AS) / Activity (AT)
	management thoughts	Modern approach to management, contribution by Peter Drucker,	2	26.09.2022 to 30.09.2022	27.9.22(1)	2	–	–	–		
		contingency approach, social system approach, decision making approach	2	3.10.2022 to 7.10.2022	3.10.22 (2)	3	–	–	–		
		Indian Ethos , features , purpose, importance , principles and concepts as per Indian Ethos	1		4.10.22(2)	1	–	–	–		Unit test on unit 1 nature of management
		Class test/Home assignment/Mini project/Viva/Case studies		26.09.2022 to 30.09.2022	27.9.22 (1)	1	–	–	–		
3	Unit 3 Major Managerial functions	Forecasting in details, Planning, organising, directing, decision making, controlling	4	10/10/2022 to 14/10/2022	10.10.22(2) 11.10.22(2)	4	–	–	–		PPT Presentation
		Features, need, limitations, advantages, disadvantages, methods, process	4	17/10/2022 to 21/10/2022	17.10.22(2) 18.10.22(2)	4	–	–	–		PPT Presentation
		Delegation of authority, Centralization concepts, advantages & disadvantages	4	31/10/2022 to 04/11/2022	31.10.22(1) 1.11.22(2)	3	–	–	–		PPT Presentation

FF51

Session Plan (A.Y. 2022-2023)

Course: FYBBA -IB
Sub Code: 102 SC   Subject Name: Business Communication Skills
Type of Subject : External / Internal
No. of Session(s)/Periods Per Week : 04
Faculty Name: Prajakta Gaikwad

Source(Weblink):http://collegecirculars.unipune.ac.in/sites/documents/Syllabus%202019/F%20Y%20BBA%20(IB)(CBCS%202019%20Patt)%20Sem%20I%20-II_22.062020.pdf

S N	Topic	Sub Topic	No.of Sessions/ Period	Scheduled Date	Actual Date	CP	RP	Extra lecture's Date (No.of lectures)	Reason	HOD Sign	Books/ Case Study (C) /Assignment (AS) / Activity (AT)
1	Concept of Communication and Introduction to Communication	Role of Communication in social and economic system	4	22/08/2022 to 26/08/2022	22/8/2022 24/8/2022 25/8/2022 26/8/2022	04	—	—	—		PPT on Role of communication in social and economic
		Need for effective communication, meaning and definition, Principles of effective communication,	3	29/08/2022 to 2/09/2022	29/8/2022 1/9/2022 2/9/2022	03	—	—	—	(Sign)	Activities on effective communication and principles of communication
		Barriers to communication	3	5/09/2022 to 9/09/2022	6/9/2022 7/9/2022 8/9/2022	82	—	—	—		
		Overcomings barriers	1	12/09/2022 to 16/09/2022	12/9/2022	01	—	—	—		
		Methods of Communications]: Linguistics, Non- Linguistics and Para- Linguistics, Art of Listening	3		14/9/2022 15/9/2022 16/9/2022	04	—		—		AS on Methods of Communication

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FF51

Session Plan (A.Y. 2022-2023)

Course: FYBBA IB
Sub Code: 101   Subject Name: Principles of Management
Type of Subject : External / Internal
No. of Session(s)/Periods Per Week : 4
Faculty Name: Poorva Vijay Kane

Source(Weblink): Source(Weblink): http://collegecirculars.unipune.ac.in/sites/documents/Syllabus%202019/F%20Y%20BBA%20(CBCS%202019%20Patt.)%20Sem%20I%20-%20II_22.062020.pdf

Sr. No.	Topic	Sub Topic	No.of Sessions / Periods	Scheduled Date	Actual Date	CP	RP	Extra lecture's Date (No.of lectures)	Reason	HOD Sign	Books/ Case Study (C) /Assignment (AS) / Activity (AT)
1	Unit 1 Nature of Management	Nature of management, Need, scope, purpose of management	4	22/08/2022 to 26/08/2022	22/8/22 (2) 23/8/22 (2)	4	-	—	—		
		Management as an art & science, Management as an profession	4	29/08/2022 to 2/09/2022	29/8/22 (2)	2	—	—	—	(Sign)	
		Functions of management, levels of management, skills of management	4	5/09/2022 to 9/09/2022	5/9/22 (2) 6/9/22 (2)	2	—	—	—		
		Management & Administration	1	12.09.2022 to 17.09.2022	12.9.22 (1)	1	—	—	—		
		Principles of Henry Fayol, F. W. Taylor, scientific management and it's techniques, principles	3		12.9.22 (1) 13.9.22 (2)	2	—	—	—		
		Functions and principles by Fayol, Comparison between Taylor and Fayol approach	2	19.09.2022 to 23.09.2022	19.9.22 (2)	2	—	—	—		
2	Unit 2 Evolution of	Features and advantages of bureaucracy	2		20.9.22 (2)	2	—	—	—		

	Topic	Sub Topic	Sessions/Periods	Scheduled Date	Actual Date	CP	RP	lecture's Date (No.of lectures)	Reason	HOD Sign	Books/ Case Study (C)/Assignment (AS) / Activity (AT)
8	Unit - 8	Group Discussions, Interview and Interviewing Skills	3	07/11/2022 to 11/11/2022	7111122 9111122 11111122	1	~				PPT's and Group activities https://www.youtube.com/watch?v=12Prc9ZA81w
			2	14/11/2022 to 18/11/2022	14111122 15111122 16111122 18111122	1	~				
9	Unit - 9	Presentation Skills	2								PPT's and Individual activities
			4	21/11/2022 to 25/11/2022	21111122 22111122 23111122 25111122	1	~				
			2	28/11/2022 to 02/12/2022	28111122 29111122	1	~				
	Revision										
	Internal Examination										
	Total		48								

CP-Completed Point
RP-Remaining Point

Subject Teacher

P.S. Jadhav
Co-ordinator

S P Mantri
HOD

: no. 1 Rev No. 0   Dt 1.10.2019

③

			Period	Date	Actual Date	CP	RP	Date (No.of lectures)			(AS) / Activity (AT)
2	Methods and types of Communication	Written communication, Forms of written communication. Qualities, difficulties in written communication, Constraints in developing effective written communication	4	19/09/2022 to 23/09/2022	19/9/2022 21/9/2022 22/9/2022 23/9/2022	04	~	~			
		Class test/Home assignment/Mini project/Viva/Case studies		26/09/2022 to 30/09/2022	28/9/2022	-	~	-			MCQ on cocept, meaing, definition and barriers to communication
		Types or Channels of Communication: Internal-Vertical, Horizontal, Consensus, Grapevine	2		29/9/2022 30/9/2022	04	~	-			PPT on Written Communication
		External- Inward, Outward ,Merits and Limitations of methods	3	03/10/2022 to 07/10/2022	3/10/2022 6/10/2022 7/10/2022	03	~	-			
		Types of communication	1		10/10/2022	01	~	~			
3	Business Correspondence	Concept ,need and functions of Business Correspondence ,	3	10/10/2022 to 14/10/2022	12/10/2022 13/10/2022 14/10/2022	02	~	~			
		Types of Business letters ,Layout Drafting of business , Business Correspondence : Sales, Complaint , Credit verification,	4	17/10/2022 to 21/10/2022	17/10/2022 19/10/2022 20/10/2022 21/10/2022	03	~	-			Demonstrations of layout of good business letters.
		Orders sales circulars and business promotion and resignation letter, Leave , application letters ,	3	31/10/2022 to 04/11/2022	31/10/2022 2/11/2022 3/11/2022	05	~	~			Drafting of good business letters
		Class test/Home assignment/Mini project/Viva/Case studies			4/11/2022	-	~	~			MCQ on cocept, meaing, definition and barriers to communication
		Correspondence with bank, Job application and Reference check	3	07/11/2022 to 11/11/2022	7/11/2022 9/11/2022 10/11/2022	03	~	~			

S N	Topic	Sub Topic	No.of Sessions/ Period	Scheduled Date	Actual Date	CP	RP	Extra lecture's Date (No.of lectures)	Reason	HOD Sign	Books/ Case Study (C) /Assignment (AS) / Activity (AT)
4	Analysis of different Media of Communication	Introduction of different Media of Communication,	4	14/11/2022 to 18/11/2022	14/11/2022 16/11/2022 17/11/2022 18/11/2022	02	–	–	–		Drafting of good business letters
		Fax communication, Internet	4	21/11/2022 to 25/11/2022	21/11/2022 23/11/2022 24/11/2022 25/11/2022	03	–	–	–	(SH)	
		Voice mail , emails, Tele conferencing, communication through social media	3	28/11/2022 to 2/12/2022	28/11/2022 30/11/2022 1/12/2022.	04	–	–	–		Demonstration on Different Media of communication
	Revision										
	Internal										
		Total	48								

CP-Completed Point
RP-Remaining Point

Prajakta Gaikwad
Subject Teacher
Issue no. 1 Rev No. 0   Dt 1.10.2019

S. Cohorpade
Co-ordinator

HOD

VISHWAKARMA COLLEGE OF ARTS, COMMERCE AND SCIENCE, PUNE

Industrial Visit Report

- Date Of Visit   -18 January 2019

- Companies' Names-   "MAPRO FOOD PVT LIMITED"

- Address of Companies-   1.122, Shendurjane Wai, Dist. Satara, Maharashtra.

  2. P.O.- Kisanveernagar, 415 530. Tal. Wai Dist., Satara, Maharashtra.

  3. Shahabaug Pune Mahabaleshwar Road, Wai. Satara Maharashtra.

Aims and Objectives Of Visit-

1) Industrial visit has its own importance in a career of a student who is pursuing a professional

2) It is considered as a part of college curriculum, B.B.A & B.B.A (IB) courses degree.

3) Objectives of industrial visit are to provide students an insight regarding internal working of companies. Theoretical knowledge is not enough for making a good professional career.

4) With an aim to go beyond academics, industrial visit provides student a practical perspective on the world of work. It provides students with an opportunity to learn practically through interaction, working methods and employment practices.

5) It gives them exposure to current work practices as opposed to possibly theoretical knowledge being taught at college. Industrial visits provide an excellent opportunity to interact with industries and know more about industrial environment.

6) Industrial visits are arranged by colleges to students with an objective of providing students functional opportunity in different sectors like IT, Production, Manufacturing and services, finance and marketing

Total No. Of Students- 163

Total number of faculties- 15

किसनवीर सातारा रबर कारखाना

BRACT'S
VISHWAKARMA COLLEGE OF ARTS, COMMERCE AND SCIENCE, PUNE

Industrial Visit Report

Date of Visit: 23 January 2019

Purpose of Visit: Farm and Dairy Costing Practical Application

Company Name: Katraj Dughdhalay

Address of Companies: Katraj, Pune - 411 046

Aims and Objectives of Visit-

1) Industrial visit plays an important role in the specialization subjects.

2) The Practical knowledge is helpful to understand the procedures and practices used in Dairy farming and Farm Costing.

3) It is considered as a part of college curriculum, B.Com courses.

4) Objectives of industrial visit are to provide students an insight regarding internal working of companies.

5) Industrial visits are arranged by colleges to students with an objective of providing students functional opportunity in different fields covered under the Costing Procedures and Practices.

Total No. Of Students- 24 (Students from TY. B. Com having Costing Specialization)

Total number of faculties-2 (Prof. Bhakti Joshirao and Prof. Madhura Thite)

BRACT'S
VISHWAKARMA COLLEGE OF ARTS, COMMERCE AND SCIENCE, PUNE

Industrial Visit Report

Date Of Visit -5 January 2018

• Companies' Names- 1.Hindustan Coca Cola Beverages Private Limited
                     2. Parle G,Khopoli (Mumbai))

   Address of Companies-   1. Temghar Lavasa Road, Pirangut, Maharashtra 412115
                            2. Khopoli, Mumbai

Aims and Objectives Of Visit-

1) Industrial visit has its own importance in a career of a student who is pursuing a professional degree.
2) It is considered as a part of college curriculum, B.B.A & B.B.A (IB) courses.
3) Objectives of industrial visit are to provide students an insight regarding internal working of companies. Theoretical knowledge is not enough for making a good professional career.
4) With an aim to go beyond academics, industrial visit provides student a practical perspective on the world of work. It provides students with an opportunity to learn practically through interaction, working methods and employment practices.
5) It gives them exposure to current work practices as opposed to possibly theoretical knowledge being taught at college. Industrial visits provide an excellent opportunity to interact with industries and know more about industrial environment.
6) Industrial visits are arranged by colleges to students with an objective of providing students functional opportunity in different sectors like IT, Production, Manufacturing and services,finance and marketing.

Total No. Of Students Visited-54

Name Of the faculty-

Dr. Shital Mantri.

Outcomes of Visit-

1) This Visit helped students get first hands information regarding functioning of industry.

2) This visit provided an opportunity to plan, organize and engage in active learning experience both inside and outside the classroom.

3) The industrial visit to Coca-Cola & Parle-G was an enriching experience for students in getting live exposure of production which can help them in their internships and further career enhancements.

4) Students come to know about working and management style of Coca-Cola Company and Parle

5) From visit of Coca-Cola & Parle students come to know about practical knowledge of machineries used for production, packaging, labeling, dispatching and loading.

6) Coca-Cola India procures the ingredients from pre-selected lots approved from authorized suppliers. The Coca-Cola Company has only one quality system around the world.

7) Every ingredient use in the manufacturing of beverages meets all the local regulatory, Company and International standards.

8) All ingredients undergoes extensive testing and inspection prior of being released for use. On periodic bases external validation and testing is performed by independent and accredited laboratory in all our ingredients used in the manufacture of beverages.

A

Report on

Industrial Visit

at

Precitech Industries,

Precitek Components,

Sidhakala Engineers,

Jayshree Polymers Pvt. Ltd.

On 30th January 2017
by the Students of
S.Y.B.B.A

Organized By

VISHWAKARMA COLLEGE OF ARTS, COMMERCE AND SCIENCE, PUNE

A Report on Industrial Visit.

Event: Industrial Visit

Company: Precitech Industries , Precitek Components , Sidhakala Engineers , Jayashree Polymers Pvt ltd

Date & Day : 30th January 2017

Schedule: 9 am to 11.30 pm at Precitech industries, and Precitek components and 12.30 pm to 1.30 pm at Sidhkala Engineers , 2.30 pm to 4.30 pm

Venue : 1) Precitech Industries , Plot No – EL – 39/4/6 , MIDC , Bhosari , pune – 411026 , Maharashtra 2) Precitek Components , Plot No – EL/21/1/7 , EL , MIDC , Bhosari , Pune 3) Sidhkala Engineers , MIDC Chinchwad , Pune , 4) Jayashree Polymers pvt ltd @ Chakan , Pune

Resource Person : Mrs Dr Shital Mantri , Mrs Pooja Kulkarni .

Program: BBA-IV Semester (2nd Year)

Faculty In charge : Dr. Shital Mantri, Mrs. Pooja kulkarni

No. of Students : 46

VCACS

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- Plastic moulds, assembly fixtures.
- Assembly fixtures

Product Range of Precitech Institute Precitek Compnents :

1) Metal Insert Mouldings
2) Automotive Lighting Part
3) Functional Parts
4) Instrument Cluster Parts
5) Interior Parts
6) Engineering and Clear parts
7) Fasteners & Clips

2) Precitech Industries:

The challenging opportunities and new avenues cropping up in the corporate arena in diverse sectors demands the role of a common mediator to act as bridge between buyers and sellers. This service facilitates all in the business world to come to importers and exporters, and the like. This service facilitates all in the business world to come to a common platform, thus turning the geologically colossus earth into a tiny global village. Tradeindia is a major entity involved in this task bringing manufacturers, buyers and sellers under one pedestal.

Infocom Network Ltd. got established in the year 1990 and is identified by people at large as tradeindia.com thanks to our very popular B2B website of the same name. Launched in the year 1996 to offer the Indian Business community a platform to promote themselves globally tradeindia.com has created a niche as India's largest B2B marketplace, offering comprehensive

Industrial Visit Report

- Date Of Visit -11 January 2020 to 16 January 2020.
- Companies' Names-   1) Gems Gallery International Manufacturer.
  2) Siam Steel Syndicate Public Company Ltd.
- Address of Companies- Bangkok ,Thailand.
- Companies name – Aditya Engineering, Cotton King, Krishi Vigyan Kendra Industry.
- Address of Companies –India.

Aim of the visit:

This visits aim to provide exposure to students to gain knowledge and first-hand opportunity to visit Industries, Universities, Manufacturing units, Sea port and Airport in progressive economies, which enables them to learn the cross cultural management practices, comparative analysis of the business phenomenon and opportunities in various countries. International awareness and international exposure during the formative years results in more refined individuals, encouraging the students to see things from different perspectives and helping them to make informed decisions, acquiring transferable skills that will be useful to build a career and will remain with them for life. Local industrial visit was also conducted at Aditya Engineering, Cotton King, Krishi Vigyan Kendra Industry.

Objective of Industrial Visit:

 To provide a unique experience to the students and exchange and share good practices which could be replicated to improve the efficiency, production and competency in their respective field of study.

 To provide exposure to students at global level which enables them to learn the cross cultural management practices, comparative analysis of the business phenomenon and opportunities in various countries.

 To also help accompanying teachers who benefit from the exchange of practices, knowledge and expertise during the visits to industries abroad.

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BRACT'S

VISHWAKARMA COLLEGE OF ARTS, COMMERCE AND SCIENCE, PUNE

Industrial Visit Report

</div>

Date of Visit-03 January 2020

Companies' Names-

1.Aditya Engineering (Hadapsar)
2. Krushi Vigyan Kendra (Baramati)
3. CottonKing Manufacture (Baramati)

Adddress of Companies -

1. 67, Swami Vivekanand Nagar, Hadapsar Industrial Estate, Hadapsar, Pune, Maharashtra 411013

2. At Post MalegaonKhurd, Tal BaramatiDist. Pune, Pune, Maharashtra 413115

3. Maharashtra Industrial Development Corporation Area, Baramati, Maharashtra 413133

Aims and Objectives Of Visit-

1) Industrial visit has its own importance in a career of a student who is pursuing a professional degree.

2) It is considered as a part of college curriculum, B.B.A & B.B.A (IB) courses.

 3) Objectives of industrial visit are to provide students an insight regarding internal working of companies. Theoretical knowledge is not enough for making a good professional career.

4) With an aim to go beyond academics, industrial visit provides student a practical perspective on the world of work. It provides students with an opportunity to learn practically through interaction, working methods and employment practices.

5)It gives them exposure to current work practices as opposed to possibly theoretical knowledge being taught at college. Industrial visits provide an excellent opportunity to interact with industries and know more about industrial environment.

6)Industrial visits are arranged by colleges to students with an objective of providing students functional opportunity in different sectors like IT, Production, Manufacturing and services, finance and marketing

Total No. of Students-158 (BBA-77 & BBA IB-81)
Total number of faculties-10
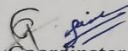
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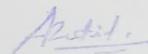
Date:11/01/2021

All the students of BBA are being informed that ,We are cancelling 'Industrial visit' for the Academic Year:2020-21 due to COVID-19 PANDEMIC.

Our Institute is concerned with safety of the students and this decision was made after consultation with Academic council.

Coordinator   HOD   Principal
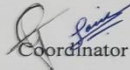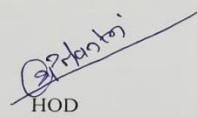
NOTICE
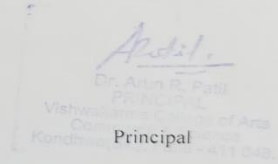
Date:04/01/2022

All the students of BBA are being informed that ,We are cancelling 'Industrial visit' for the Academic Year:2021-22 due to COVID-19 PANDEMIC.

Our Institute is concerned with safety of the students and this decision was made after consultation with Academic council.

Coordinator   HOD   Principal

Roll No:NPTEL21CS63S44201236

To POONAM SHANKAR CHAVAN
B-201, CERATEC GREENS HSG. SOC.
JADHAV NAGAR-2,GUJARWADI PHATA,KATRAJ,
PUNE-
MAHARASHTRA - 411046
PH. NO :919028745941

No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP

Duration of NPTEL course: 12 Weeks

NPTEL-AICTE
Faculty Development Programme

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

POONAM SHANKAR CHAVAN

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **56** %

Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras

(Jul-Oct 2021)

Prof. Dileep N. Malkhede
Advisor-I (Research, Institute & Faculty Development)
All India Council for Technical Education

Roll No: NPTEL21CS63S44201236

To validate and check scores: http://nptel.ac.in/noc

1

Name of the Teacher	Topic of Video	Youtube Channel Link
Prof. Anjum Patel	Project Management Components	https://youtube.com/shorts/7zhz8ujVyT4?feature=share3
	Introduction to S/W Project Management	https://youtube.com/shorts/7lHRAgXeTP0?feature=share3
	Project Scope Management	https://youtu.be/FO0NYG-IjQM

Sr. No.	Name of the teacher	Title of PPT
1	Prof. Anjum Patel	Industrail Training
		Software Project Management
		Object Oriented Software Engineering
		Project time management
		Project scope management
		Integration management
		Time management
		UML Diagrams
		State chart disgrams
2	Dr. Sudhir Chitnis	Python Programming
		Software development lifecycleand project for UG
		Software development lifecycleand project for PG
		Advance C
		File Handling
3	Dr. Shital Mantiri	Employee Relations
		Wage Policy in India
		Payment of Graduity Act, 1972
		Introduction to Human Resource Manangement
		Organizational Development
4	Dr. Vaishali Kale	Transmission Media
		Network Devices
		Introduction to Computer Network
		HTML
		Style Sheets
5	Dr. Poonam Jadhav	Lending Principles & Balance Sheet of a Bank
		Negotiable Instruments
		Endorsement
		Technology in Banking
		Introduction of Cost Accounting

VCACS Vishwakarma College of Arts,Commerce and Science, Pune.

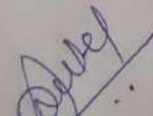(Affiliated to Savitribai Phule Pune University)
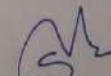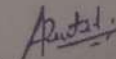
NAAC Accredited with 'B+' Grade

Date : 5/9/2017

Notice

This to inform to all students of FYMSc(CS) that they have to submit Seminar Report for all subjects. Topics are given below. Select the one topic for each subject. Submit all reports on or before Tuesday, 15/9/2017.

Sr. No	Subject	Topic
1	PPL	Analysis of Algorithms
		Big O Notation
2	Advanced Networking	Optical Ethernet
		GPRS
3	Distributed Database Concepts	Fragmentation
		Heterogeneous database
4	DAA	Graph Representation
		Sorting Techniques
5	Network Programming	Overview of TCP Sockets
		Web Searching

Coordinator

HOD
(Science)

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Principal& Science
Kondhwa(Bk.), Pune-411 048.

Name: Agarwal Jyoti Vijay
Roll No: 7001
Class: FYMSC(CS)

Analysis of Algorithms

An Algorithm is a sequence of steps to solve a problem. Analysis of Algorithm is very important to solve different types of problems in the branch of computer science and information technology.

In theoretical analysis of algorithms, it is common to estimate their complexity in the asymptotic sense, i.e., to estimate the complexity function for arbitrarily large input. The term **"analysis of algorithms"** was coined by Donald Knuth.

Algorithm analysis is an important part of computational complexity theory, which provides theoretical estimation for the required resources of an algorithm to solve a specific computational problem. Most algorithms are designed to work with inputs of arbitrary length. Analysis of algorithms is the determination of the amount of time and space resources required to execute it.

Usually, the efficiency or running time of an algorithm is stated as a function relating the input length to the number of steps, known as **time complexity**, or volume of memory, known as **space complexity**.

The Need for Analysis:

In this chapter, we will discuss the need for analysis of algorithms and how to choose a better algorithm for a particular problem as one computational problem can be solved by different algorithms.

By considering an algorithm for a specific problem, we can begin to develop pattern recognition so that similar types of problems can be solved by the help of this algorithm. Algorithms are often quite different from one another, though the objective of these algorithms are the same. For example, we know that a set of numbers can be sorted using different algorithms. Number of comparisons performed by one algorithm may vary with others for the same input. Hence, time complexity of those algorithms may differ. At the same time, we need to calculate the memory space required by each algorithm.

Analysis of algorithm is the process of analyzing the problem-solving capability of the algorithm in terms of the time and size required (the size of memory for storage while implementation). However, the main concern of analysis of algorithms is the required time or performance. Generally, we perform the following types of analysis –

- **Worst-case** – The maximum number of steps taken on any instance of size a.

- **Best-case** – The minimum number of steps taken on any instance of size a.

- **Average case** – An average number of steps taken on any instance of size a.

- **Amortized** – A sequence of operations applied to the input of size a averaged over time.

To solve a problem, we need to consider time as well as space complexity as the program may run on a system where memory is limited but adequate space is available or may be vice-versa. In this context, if we compare **bubble sort** and **merge sort**. Bubble sort does not require additional memory, but merge sort requires additional space. Though time complexity of bubble sort is higher compared to merge sort, we may need to apply bubble sort if the program needs to run in an environment, where memory is very limited.

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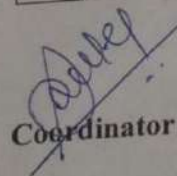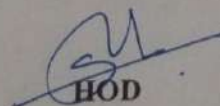(Affiliated to Savitribai Phule Pune University)

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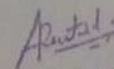
Date : 10/12/2018

Notice

This to inform to all students of FYMSc(CS) that they have to submit Seminar Report for all subjects. Topics are given below. Select the one topic for each subject. Submit all reports on or before Tuesday, 17/12/2018.

Sr. No	Subject	Topic
1	Digital Image Processing	Image Acqisition
		Image Data Compression
2	Advanced Operating System	Operating system Security
		The History and Experience of system Programming
3	Data Mining and Data Warehousing	DW Bus Architecture
		Web Mining
4	Programming With DOT NET	ADO .Net
		Using .Net Framework
5	Artificial Intelligence	Game Theory
		Computer Vision and Perception
6	Advance Design and Analysis of Algorithms	Binary Search
		Belief Propagation Algorithm (BP)

Coordinator

HOD
(Science)

Dr. Arun R. Patil
PRINCIPAL
Visi**Principal**ollege of Arts,
Commerce & Science
Kondhwa(Bk.), Pune-411 048.

Name: Khan Ruksar Ayaz
Roll No: 7027
Class: FYMSC(CS)

Web Mining

What is web mining?

The process of discovering knowledge from web page content, hyperlink structure, and usage data. Builds on existing data and text mining techniques, but adds many new tasks and algorithms. The web is unique! Web reflects a virtual society --- interactions among people, organizations, and automated systems, no longer limited by geography.

The purpose of Web mining is to develop methods and systems for discovering models of objects and processes on the World Wide Web and for web-based systems that show adaptive performance. Web Mining integrates three parent areas:

Data Mining (we use this term here also for the closely related areas of Machine Learning and Knowledge Discovery), Internet technology and World Wide Web, and for the more recent Semantic Web. The World Wide Web has made an enormous amount of information electronically accessible. The use of email, news and markup languages like HTML allow users to publish and read documents at a world-wide scale and to communicate via chat connections, including information in the form of images and voice records. The HTTP protocol that enables access to documents over the network via Web browsers created an immense improvement in communication and access to information. For some years these possibilities were used mostly in the scientific world but recent years have seen an immense growth in popularity, supported by the wide availability of computers and broadband communication. The use of the internet for other tasks than finding information and direct communication is increasing, as can be seen from the interest in e- activities such as e-commerce, e-learning, e-government, e-science. Independently of the development of the Internet, Data Mining expanded out of the academic world into industry. Methods and their potential became known outside the academic world and commercial toolkits became available that allowed applications at an industrial scale. Numerous industrial applications have shown that models can be constructed from data for a wide variety of industrial problems. The World-Wide Web is an interesting area for Data Mining because huge amounts of information are available.

Data Mining methods can be used to analyze the behavior of individual users, access patterns of pages or sites, properties of collections of documents.

What is data mining? Data mining is also called knowledge discoveryv and data mining (KDD) Data mining is extraction of useful patterns from data sources, e.g., databases, texts, web, images, etc. Patterns must be: valid, novel, potentially useful, understandable.

Classic data mining tasks Classification: mining patterns that can classify future (new) data into known classes. Association rule miningv mining any rule of the form $X \rightarrow Y$, where X and Y are sets of data items. E.g., Cheese, Milk$\rightarrow$ Bread [sup =5%, confid=80%] Clustering identifying a set of similarity groups in the data Sequential pattern mining: A sequential rule: $A \rightarrow B$, says that event A will be immediately followed by event B with a certain confidence.

VCACS Vishwakarma College of Arts, Commerce and Science, Pune.

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Date : 16/09/2019

Notice

This to inform to all students of SYMSc(CS) that they have to submit Seminar Report for all subjects. Topics are given below. Select the one topic for each subject. Submit all reports on or before Tuesday, 26/09/2019.
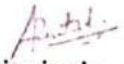
Sr. No	Subject	Topic
1	Software Metrics and Project management	RAD Model
		Types of Metrics
2	Mobile Computing	Application of Mobile Computing
		Technology in Mobile Computing
3	Soft Computing	Fuzzy Logic
		Neural Networks
4	Web Services	Web Services on Mobile Platform
		SOAP
5	Database and System Administrator	DBA roles and responsibilities
		Managing Constraints: Creating constraints, Dropping constraints, enabling and disabling constraints, deferring constraints checks
6	Functional Programming	Lambda Calculus
		Type Theory
7	Business Intelligence	Business Intelligence Tools
		OLAP (Online Analytical Processing)

Coordinator

HOD

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune-411 048.

Principal

Name: Dalvi Pooja Haribhau
Roll No:7104
Class: SYMSC(CS)

OLAP (On-Line Analytical Processing)

The term On-Line Analytical Processing (OLAP) was coined by E.F. Codd in 1993 to refer to a type of application that allows a user to interactively analyze data. An OLAP system is often contrasted to an OLTP (On-Line Transaction Processing) system that focuses on processing transaction such as orders, invoices or general ledger transactions. Before the term OLAP was, coined, these systems were often referred to as Decision Support Systems.

OLAP is now acknowledged as a key technology for successful management in the 90's.It describes a class of applications that require multidimensional analysis of business data.

OLAP systems enable managers and analysts to rapidly and easily examine key performance data and perform powerful comparison and trend analyses, even on very large data volumes. They can be used in a wide variety of business areas, including sales and marketing analysis, financial reporting, quality tracking, profitability analysis, manpower and pricing applications, and many others.OLAP technology is being used in an increasingly wide range of applications. The most common are sales and marketing analysis; financial reporting and consolidation; and budgeting and planning. Increasingly, however OLAP is being used for applications such as product profitability and pricing analysis; activity based costing, manpower planning; quality analysis, in fact for any management system that requires a flexible, top down view of an organization.

Online Analytical Processing (OLAP) is a method of analyzing data in a multidimensional format, often across multiple time periods, with the aim of uncovering the business information concealed within the data'- OLAP enables business users to gain an insight into the business through interactive analysis of different views of the business data that have been built up from the operational systems. This approach facilitates a more intuitive and meaningful analysis of business information and assists in identifying important business trends.

OLAP is often confused with Data Warehousing. OLAP is not a data warehousing, methodology, however it is an integral part of a data warehousing solution. OLAP comes in many different shades, depending on the underlying database structure and the location of the majority of the analytical processing. Thus, the term OLAP has different meanings depending on the specific combination of these variables.

OLAP can be defined as the process of converting raw data into business information through multi-dimensional analysis. This enables analysts to identify business strengths and weaknesses, business trends and the underlying causes of these trends. It provides an insight into the business through the interactive analysis of different views of business information that have been built up from raw operating data which reflect the business users understanding of the business.

Vishwakarma College of Arts,Commerce and Science, Pune.

(Affiliated to Savitribai Phule Pune University)

NAAC Accredited with 'B+' Grade

Date : 22/01/2021

Notice

This to inform to all students of SYMSc(CS) that they have to submit Seminar Report for all subjects. Topics are given below. Select the one topic for each subject.

Submit all reports on or before Monday, 1/02/2021.

Sr. No	Subject	Topic
1	Software Architecture And Design Pattern	Study of Design Pattern
		Study of Framework
2	Machine Learning	Statistical Methods used in Machine Learning
		Clustering in Machine Learning
3	Web Frameworks	Django Technology
		Express JS

Note :

- Maximum 500 words.
- Submission link will be provided by respective faculties.

Coordinator

HOD
(Science)

Principal Patil
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune-411 048.

Name : Atharv Subhekar Roll No: 7155

Class : SY M.Sc (Comp. Science) 2020-21

Machine Learning

Clustering in Machine Learning

1] What is Machine Learning?

- **Machine learning** (ML) is the study of computer algorithms that improve automatically through experience.[1] It is seen as a part of artificial intelligence. Machine learning algorithms build a model based on sample data, known as "training data", in order to make predictions or decisions without being explicitly programmed to do so.[2] Machine learning algorithms are used in a wide variety of applications, such as email filtering and computer vision, where it is difficult or unfeasible to develop conventional algorithms to perform the needed tasks.

- **Clever :** Machine Learning can review large volumes of data and discover specific trends and patterns that would not be apparent to humans. For instance, for an e-commerce website like Amazon, it serves to understand the browsing behaviors and purchase histories of its users to help cater to the right products, deals, and reminders relevant to them. It uses the results to reveal relevant advertisements to them.

- **Autonomous :** With ML, you don't need to babysit your project every step of the way. Since it means giving machines the ability to learn, it lets them make predictions and also improve the algorithms on their own. A common example of this is anti-virus softwares; they learn to filter new threats as they are recognized. ML is also good at recognizing spam.

- **Upgradable :** As ML algorithms gain experience, they keep improving in accuracy and efficiency. This lets them make better decisions. Say you need to make a weather forecast model. As the amount of data you have keeps growing, your algorithms learn to make more accurate predictions faster.

- **Versatility :** Machine Learning algorithms are good at handling data that are multi-dimensional and multi-variety, and they can do this in dynamic or uncertain environments.

- **Wide Applications :** You could be an e-tailer or a healthcare provider and make ML work for you. Where it does apply, it holds the capability to help deliver a much more personal experience to customers while also targeting the right customers.

- **Scalable :** ML algorithms are easily scalable and mostly resources are autoscaled by the algorithms as they gain experience.

2] What is Clustering?

- Clustering is the most popular technique in unsupervised learning where data is grouped based on the similarity of the data-points. Clustering has many real-life applications where it can be used in a variety of situations.The basic principle behind cluster is the assignment of a given set of observations into subgroups or clusters such that observations present in the same cluster possess a degree of similarity. It is the implementation of the human cognitive ability to discern objects based on their nature.

Prajakta Patil

Chitnis S.D.

BRACT's

Vishwakarma College of Arts, Commerce and Science, Pune

Report on National Pollution Control Day

Date: 2nd December 2021
Time: 10.00 AM – 12.00 noon
Platform: Google Meet, Google Form

Brief details of the event -

BRACT's, Vishwakarma College of Arts, Commerce and Science, Pune, conducted a PPT Presentation Competition on 2nd December 2021 On the Occasion of National Pollution Control Day.

Objective of the event –

- To raise awareness about the importance of pollution control measures among the students.
- To educate students on how to prevent pollution.

Summary -

National Pollution Control Day is celebrated on 2nd December to raise awareness about pollution and its hazardous effects. This day is observed in the memory of the people who lost their lives in the Bhopal gas calamity and is considered as one of the biggest industrial disasters. The day aims to bring awareness to students about prevention of air, soil, noise, and water pollution.

The session started with an Introduction to the idea behind National Pollution Control Day. The brief history of Bhopal Gas tragedy is shared and remembrance of those who lost their lives in this tragedy when the deadly gas methyl isocyanate leaked out of the Union Carbide plant on the intervening night of December 2-3 in 1984. The effects of that disaster are felt even now after more than 35 years.

This year's PPT presentation theme for the Pollution Control Day is 'the importance of pollution control measures' and 'how to prevent pollution'. We have received good response to this competition. Under this competition, Students has to prepare and submit their PPT's on the given Google form link in given time. A

total of 29 students registered and submitted their PPT's. The best entries were awarded with E-certificates.
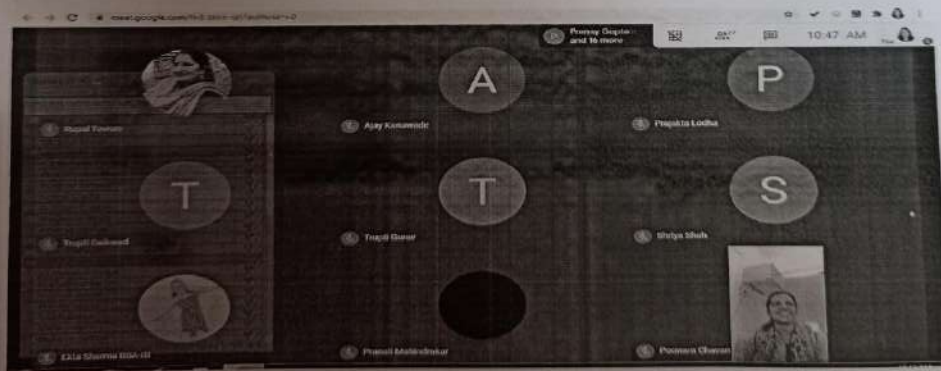
Images -

Incharge

HoD
(Science)

HoD
(Commerce)

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Principal
Commerce & Science
Kondhwa(Bk.), Pune-411 048.

BRACT'S
Vishwakarma College of Arts Commerce & Science
Kondhwa (BK),Pune 411048
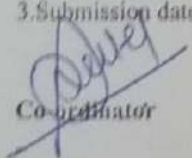**SYMSc(CS) Sem I (17-18)**
ASSIGNMENT SUBMISSION NOTICE

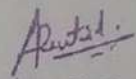| Date : 7/ 1/2022	21/8/2017	
All students are hereby inform that Assignment I Submission Schedule is as follows:		

Sr. No.	Subject	Assignment Questions
1	Software Metrics and Project Managemt	1.Describe project selection method. 2.Write short note on gantt chart. 3.Explain configuration management. 4.What are the characteristics of mature process. 5.Which factors affects the quality of IT project.
2	Mobile Computing	1. What are requirements from mobile IP. 2 .What is registeration process in mobile IP. 3 .Difference between FACOA and CO-COA. 4 .Explain in details wireless session protocol. 5 .Explain IP packet delivery.
3	Soft Computing	1.Define GA.Application of GA 2.What is neural network explain any two applications. 3.Explain concept of fuzzy set and fuzzy numbers with example. 4.Explain supervised learning and unsupervised learning. 5.Explain process Defuzzification.
4	Web Services	1.What are the web services.state and expalin core building blocks of web services. 2.Explain any four publisher API message . 3.Write in detail on SOAP with attachments. 4.Write a note on pass level application security. 5. Explain web service interface.
5	Business Intelligent	1.Explain any two steps in CRISP-DM process. 2.What are the limitations of on-demand system. 3.Explain the application of BPM. 4.What is clickstream analysis?How is it useful in web mining? 5.What are some of the benefits and challenges of Natural Language Processing.
Note :		
1. It is considered for internal assessment.		
2. Students should be responsible for		

submitting the assignments.		
3.Submission date for all subjects- 2/9/2017		
Co-ordinator		HOD Principal

Subject: Principles of Digital Electronics

Date: 26/9/2017

Paper No: ELC - 102

Time: 4 - 5 pm.

Q. 1. Attempt any six of the following   [2 X 6= 12 Marks]

1) Convert $(396)_{10} = (?)_{Excess-3.}$

2) Covert binary 1011 to gray.

3) Convert the Following Binary Numbers to Gray Code: 1)01011 2)11010.

4) Convert the Following in to gray code: 1)$(23)_8$ 2)$(23)_{10.}$

5) Convert $(1001)_2 = (?)_{Gray.}$

6) Differentiate BCD and ASCII Code.

7) Convert $(1001)_{BCD}$ to Excess-3 Code.

8) Draw a Circuit Symbol for :1)NAND gate 2)NOR gate

Q. 2. Attempt any Two (Out of Three)   [4 X 2=8Marks]

(1) State and Prove De-Morgan's Theorems.

(2) Explain the Basics Gates .Specify its symbol and write its truth table.

(3) Prove that Following:1) (A+AB)=A   2) (A+B)(A+C)=A+BC

1
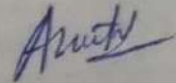
Vishwakarma College of Arts, Commerce and Science, Pune

Notice – University Internal Examination (Sept/Oct. 2017)

Date: 04-09-2017

All the Teaching Staff of VCACS are hereby informed that, University Internal Examination will be held from Monday, 25-09-2017. The Supervision Duties of the same are attached herewith. Please note down the date and time.

Note: Any requests regarding the change in the duties will not be entertained.

PRINCIPAL

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa(Bk.), Pune - 411 048.

Vishwakarma College of Arts, Commerce and Science, Pune

University Internal Examination-Time Table

(First Term - Sept/Oct 2017)

F.Y. B.Sc. Comp. Sci. – Class Test

Date	Day	Sub. Code	Subject	Time
25/9/2017	Monday	ST101	Statistics Methods-I	2:30 pm - 3:30 pm
		ST102	Statistics Methods –II	4 to 5 pm
26/9/2017	Tuesday	ELC101	Principles of Analog electronics	2:30 pm - 3:30 pm
		ELCI02	Principles of digital electronics	4 to 5 pm
27/9/2017	Wednesday	CS-101	Problem solving using computer and c language	2:30 pm - 3:30 pm
		CS-102	File organization and fundamental of database	4 to 5 pm
28/9/2017	Thursday	MTCI01	Discrete Mathematics	2:30 pm - 3:30 pm
		MTCI02	Algebra & calculus	4 to 5 pm

Seating Arrangement:

HALL No : Roll No : Total
108 : 6001-6045 - 45
109 : 6046– 6090 - 45
206 : 6091– 6130 - 40
208 : 6131– 6170 - 40

Exam. Coordinator

HOD

Principal

Date : 21/8/2017

All students are hereby inform that Assignment I Submission Schedule is as follows:

Sr.	Subject	Assignment Questions
1	Software Metrics and Project Managemt	1.Describe project selection method. 2.Write short note on gantt chart. 3.Explain configuration management. 4.What are the characteristics of mature process. 5.Which factors affects the quality of IT project.
2	Mobile Computing	1. What are requirements from mobile IP. 2 .What is registeration process in mobile IP. 3 .Difference between FACOA and CO-COA. 4 .Explain in details wireless session protocol. 5 .Explain IP packet delivery.
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4	Web Services	1.What are the web services.state and expalin core building blocks of web services. 2.Explain any four publisher API message . 3.Write in detail on SOAP with attachments. 4.Write a note on pass level application security. 5. Explain web service interface.
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Note :

1. It is considered for internal assessment.

2. Students should be responsible for submitting the assignments.

3.Submission date for all subjects- 2/9/2017

Co-ordinator

HOD

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa(Bk.), Pune-411 048
Principal

4

Explain the concept of users & groups :
(i) primary and secondary group
? (i) Create a new user's useradd or adduser
Linux users can be added via the useradd or
adduser commands. Note that useradd is the native
binary associated with linux systems, whereas useradd
is a Perl script that uses said binary in its
backend. Both commands share functionality, but some
say adduser is more user-friendly. Using the add
user command, let's create a new user: foobar.

1
2 [sudo] password for user:
3 Adding new user foobar:
4 Adding new group foobar' (1001):
5 Adding new user foobar' (1001) with group foobar':
6 Creating home directory '/home/foobar:
We see that the user, foobar, was assigned the
primary group foobar, by default.
(2) Get user ID and Groups information: id and groups
To show all the user information & group
memberships, we can use the id command :
1 $ id foobar
2 uid=1001(foobar) gid=1001(foobar) groups=1001(foobar)
1 $ id= 1001 (foobar) gid=1001(foobar) groups=1001(foobar)
Here the gid, or group ID, is the primary user
group & groups is the secondary group. We could
also get the user's groups with the groups command.
1 $ groups foobar

Individual storage engines might create their own threads, and replication uses threads.

(2) Grant table buffers. The grant tables storage information about MySQL user accounts & the privileges they have. The server loads a copy of the grant tables into memory for fast access control checking. client access is checked for every query, so looking up privilege information in memory rather than from the grant tables on disk results in a significant reduction of disk access overhead.

(3) A key buffer holds index blocks for MyISAM tables. By caching index blocks in memory, the server often can avoid reading index contents repeatedly from disk for index-based retrievals & other index-related operations such as sorts.

vcacsVishwakarma College of Arts,Commerce and Science, Pune.

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Date : 5/9/2017

Notice

This to inform to all students of FYMSc(CS) that they have to submit Seminar Report for all subjects. Topics are given below. Select the one topic for each subject. Submit all reports on or before Tuesday, 15/9/2017.

Sr. No	Subject	Topic
1	PPL	Analysis of Algorithms
		Big O Notation
2	Advanced Networking	Optical Ethernet
		GPRS
3	Distributed Database Concepts	Fragmentation
		Heterogeneous database
4	DAA	Graph Representation
		Sorting Techniques
5	Network Programming	Overview of TCP Sockets
		Web Searching

Coordinator

HOD
(Science)

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Principal& Science
Kondhwa(Bk.), Pune-411 048.

7

Name: Agarwal Jyoti Vijay
Roll No: 7001
Class: FYMSC(CS)

Analysis of Algorithms

An Algorithm is a sequence of steps to solve a problem. Analysis of Algorithm is very important to solve different types of problems in the branch of computer science and information technology.

In theoretical analysis of algorithms, it is common to estimate their complexity in the asymptotic sense, i.e., to estimate the complexity function for arbitrarily large input. The term "analysis of algorithms" was coined by Donald Knuth.

Algorithm analysis is an important part of computational complexity theory, which provides theoretical estimation for the required resources of an algorithm to solve a specific computational problem. Most algorithms are designed to work with inputs of arbitrary length. Analysis of algorithms is the determination of the amount of time and space resources required to execute it.

Usually, the efficiency or running time of an algorithm is stated as a function relating the input length to the number of steps, known as **time complexity**, or volume of memory, known as **space complexity**.

The Need for Analysis:

In this chapter, we will discuss the need for analysis of algorithms and how to choose a better algorithm for a particular problem as one computational problem can be solved by different algorithms.

By considering an algorithm for a specific problem, we can begin to develop pattern recognition so that similar types of problems can be solved by the help of this algorithm. Algorithms are often quite different from one another, though the objective of these algorithms are the same. For example, we know that a set of numbers can be sorted using different algorithms. Number of comparisons performed by one algorithm may vary with others for the same input. Hence, time complexity of those algorithms may differ. At the same time, we need to calculate the memory space required by each algorithm.

Analysis of algorithm is the process of analyzing the problem-solving capability of the algorithm in terms of the time and size required (the size of memory for storage while implementation). However, the main concern of analysis of algorithms is the required time or performance. Generally, we perform the following types of analysis −

- **Worst-case** − The maximum number of steps taken on any instance of size a.

- **Best-case** − The minimum number of steps taken on any instance of size a.

- **Average case** − An average number of steps taken on any instance of size a.

- **Amortized** − A sequence of operations applied to the input of size a averaged over time.

To solve a problem, we need to consider time as well as space complexity as the program may run on a system where memory is limited but adequate space is available or may be vice-versa. In this context, if we compare **bubble sort** and **merge sort**. Bubble sort does not require additional memory, but merge sort requires additional space. Though time complexity of bubble sort is higher compared to merge sort, we may need to apply bubble sort if the program needs to run in an environment, where memory is very limited.

BRACT'S

Vishwakarma College of Arts, Commerce and Science,

VISHWA CARNIVAL- 2018

QUIZ COMPETITION

All students of VCACS are hereby informed that Quiz Competition will be held on 1/2/2018 at 2.00 PM To 4.00 PM. Interested student should register their names to any of the committee member on or before 22/01/2018 till 2:00 PM.
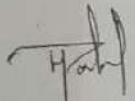
Competition Members:

Minal Patil
Yashashri Harshe
Snehal Kulkarni
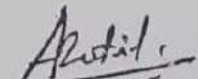Sudarshan Bhukele

Student Representative:

1) Bhavana Tejwani
2) Pranav Gugale

Rules:

1) Only team entries are eligible (3 members in each team).
2) Id- card is compulsory.
3) Participants shall not be allowed to use mobile phone or electronic instrument.
4) Replacement of any participant of a team is not allowed after registration.

Member
In-Charge

Cultural secretary

Dr. Arun H. Patil
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa(Bk.), Pune - 411 048.

Vishwkarma College of Arts Commerce and Science, Pune

Kondhwa (Bk), Pune - 411048

Vishwa Carnival 2k18

Winners of Quiz Competition

Congratulations

1st prize: -   1.Zeel Paresh Savla(SYBCA)
              2.Ashlesha Avinash Harkal(TYBCA)
              3.Muttanna Mahadev Gulgonda(SYBBA)
2nd prize: -   1. Kamran Noorsahab Shaikh(TYBSc)
              2.Vikas Vinay Pandey(TYBSc)
              3.Arbaz Mohammad Shaikh(TYBSc)

Note:- Remain present on prize distribution program and meet Prajkta Patil Madam.

Event Incharge   Cultural Secretary   Principal

Dr. Arun R.
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa(Bk.), Pune - 411 048.
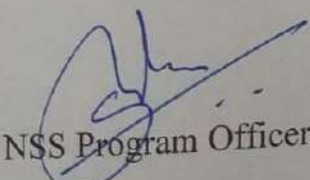
Vishwakarma College of Arts, Commerce & Science, Pune.

Kondhawa Bk. 411048.
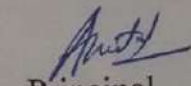
NOTICE

Date: 1/6/2017

All Staff members and students of VCACS are hereby informed that 5th June 2017 is celebrated as **World Environment day,** on account of this occasion we will plant 50 trees in our campus. The inauguration of program is scheduled on **5th June 2017 at 10.00 am at VCACS ground.**

NSS Program Officer

S. D. Chitnis

Principal

Dr. A. R. Patil

Tree plantation in Campus : World Environment Day - 5th June 2017

Girls -

1) Arati Sambhaji Nikam.   9922531466   sybsc (cs).
2) Arati Jalinder Sawant   8421953263   sybsc (cs)
3) Pratiksha Tukaram Pasalkar   9075762287   sybsc (cs)
4) Charu   Kamble   7263962704   sybsc (cs)
5) Supriya dale   9405976731   sybsc (cs)
6) Ujwala Sahani   9762006199   sybsc (cs)
7) ~~Arati~~ pooja Chavan   8554925526   sybsc (cs)
8) pooja Naik.   9011387062   sybsc (cs)
9) Rakhi S. wankhede   8446840945   sybsc (cs)
10) Dakshata Gawade   9075635753   sybsc (cs)
11) Komal Lonkar   9284824443   sybsc (cs)
12) Vaishnavi Kanetkar   7709247284   sybca
13) Sakshi Jain   7385162667   fybba
14) Pratiksha Domale   9028444652   fybba
15) Sonali GHodke   8552807659   fybba
16) vaishnavi Jagtap   9156314388   fybba
17) Diksha mankar   9527115237   fybba
18) Payal Jadhav   9552527175   fybba
19) Smita Ghule   9822217034   fybba.
20) Komal walgude   9262253720.   sybsc
21) Meghana kawankar   9890069446   ─//─
22) Riya Thakkar   9511970720   11th Commers
23) Vaishnav Gunaji   9146612017   Vau

P.T.O.

Boys — NSS

24]	Kunal Katake	8805536370	FY B
25)	Saurabh Mishra	8856901576	FY B
26)	Swapnil mali	9172276388	FY B
24)	Siddharam Kumbhar	9561743720	TY-B
28]	SHUBHAM JAIN	9421639085	FY B
29)	AMAN LODHI	9524128512	FY B

& NCACS staff

BRACT'S
Vishwakarma College of Arts Commerce & Science
Kondhwa (BK),Pune 411048
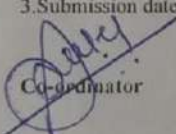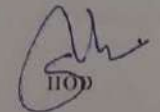**SYMSc(CS) Sem I (18-19)**
ASSIGNMENT SUBMISSION NOTICE

Date : 7/ 1/2022	6/9/2018	
All students are hereby inform that Assignment I Submission Schedule is as follows:		

Sr. No.	Subject	Assignment Questions
1	Software Metrics and Project Managemt	1.Explain capability maturity model. 2.Explain revising the plan. 3.Explain configuration management. 4.What are the different aspects of size. 5.Define Fault,Failure.
2	Mobile Computing	1. Expalin any 5 fragments of Androide UI design. 2 .What is difference between FDMA and TDMA. 3 .Explain UMTC architecure. 4 .Explain WAP gateway in details. 5 .Explain IP packet delivery.
3	Soft Computing	1. Write short notes on-Pattern space and Weight space. 2.What are the salient properties and features of neural network. 3.Explain operators in GA. 4.Explain supervised learning and unsupervised learning. 5.Define artificial neural network.Explain architecure of neural network.
4	Web Services	1. What are the web services.state and expalin core building blocks of web services. 2. Explain structure of SOAP Communication model. 3. What is cloud computing.Describe various cloud deployement models. 4. Explain Categorization in UDDI. 5. Explain web service interface.
5	Business Intelligent	1.Describe the need for BI integration. 2.What are the limitations of on-demand system. 3.Explain in details alternative data warehouse architecture. 4.Short note on six sigma. 5.What are some of the benefits and challenges of Natural Language Processing.
Note :		
1. It is considered for internal assessment.		
2. Students should		

be responsible for submitting the assignments.		
3.Submission date for all subjects- 10/9/2018		
Co-ordinator		HOD Principal

Savitribai Phule Pune University

University Internal Examination-Time Table

(First Term Sept-2018)

S.Y.BSc.(C.S.) (SEM-I)
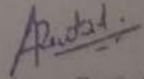
Date	Day	Sub. Code	Subject	Time
25/9/2018	Tuesday	MTC-211	Applied Algebra	12.30 to 1.30pm
		MTC-212	Numerical Analysis	2.30 to 3.30pm
26/9/2018	Wednesday	ELC-211	Digital System and hardware	12.30 to 1.30pm
		ELC-212	Analog System	2.30 to 3.30pm
27/9/2018	Thursday	CS-211	Data structure using C	12.30 to 1.30pm
		CS-212	RDBMS	2.30 to 3.30pm
28/9/2018	Friday	22511	Technical English	12.30 to 1.30pm

Seating Arrangement:

HALL No	:	Roll No :	Total
108	:	6201--6245	45
109	:	6246--6290	45
110	:	6291– 6320	30
104	:	6321– 6350	30

Coordinator

HOD

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa, Pune-411 048
Principal

Date : 6/9/2018

All students are hereby inform that Assignment I Submission Schedule is as follows:

Sr.	Subject	Assignment Questions
1	Software Metrics and Project Managemt	1.Explain capability maturity model. 2.Explain revising the plan. 3.Explain configuration management. 4.What are the different aspects of size. 5.Define Fault,Failure.
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4	Web Services	1. What are the web services.state and expalin core building blocks of web services. 2. Explain structure of SOAP Communication model. 3. What is cloud computing.Describe various cloud deployement models. 4. Explain Categorization in UDDI. 5. Explain web service interface.
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Note :

1. It is considered for internal assessment.

2. Students should be responsible for submitting the assignments.

3.Submission date for all subjects- 10/9/2018

Co-ordinator

HOD

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma Principal College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune-411 048.

NAME:- ARYAN JAIN

CLASS:- FY.BBA(CA)

ROLL.NO:- 3081

SUBJECT:- ADVANCE

           C PROGRAMMING

20-12-18 (2018-19)

1. Program to demonstrate nested structures.

```c
#include<stdio.h>
#include<conio.h>
struct stud-Res
{
    Int rno;
char std[10];
struct stud_Marks
{
        char subj_nm[30];
        int subj_mark;
}marks;
}results;
void main()
{
    clrscr();
    printf("\n\t Enter Roll Number: ");
    scanf('%d",&result.rno):
    printf("\n\t Enter Standard: ");
    scanf ("%s",result.std);
    printf("\n\t Enter Subject Code: ");
    scanf("%s",result.marks.subj_nm);
    print("\n\t Enter Marks: ");
```

```c
scanf("%d",&result.marks.subj_mark);
printf("\n\n\t Roll Number: %d", result.rno);
printf("\n\n\t Standerd: %s",result.std);
printf("\n\n\tSubject Code: %s",result.marks.subj_nm);
printf("\n\n\t Marks: %d",result.marks.subj_mark);
getch();
}
```

Output:

Enter Roll Number: 1

Enter Standred: BCAII

Enter subject Code: SUB001

Enter Marks: 63

Roll Number: 1

Standard: BCAII

Subject code: SUB001

Marks:63

2. Program to add two distance entered by user. Measurement of distance should be in inch and feet.

```c
#include <stdio.h>

struct Distance
{
        int feet;
        float inch;
}d1,d2,sum;
int main()
{
        printf("1st distance\n");
        printf("Enter feet :");
        scanf("%d",&d1.feet);
        printf("Enter inch);
        scanf("%f",&d1.inch);
        printf("2nd distance\n");
        printf("Enter feet: ");
        scanf("%d",&d2.feet);
        printf("Enter inch:");
        scanf("%f",&d2.inch);
        sum.feet=d1.feet+d2.feet;
        sum.inch=d1.inch+d2.inch;
        If (sum.inch>12){ // If inch is greater than 12, changing it to feet.
```

```
++sum.feet;

sum.inch=sum.inch-12;

}

printf('Sum of distance=%d\'-%.1f\"",sum.feet,sum.inch);
/*nprinting sum of distance d1 and d2 */

return 0;

getch();

}
```

Output:

1ˢᵗ Distance

Enter feet: 12

Enter inch: 7.9

2ⁿᵈ distance

Enter feet: 2

Enter inch: 9.8

Sum of distance = 15' − 5.1"

1. Programming source code for bar.

```c
#include <graphics.h>
#include <conio.h>
main()
{
    int gd = DETECT, gm;
    initgraph(&gd, &gm, "C:\\TC\\BGI");
    bar(100, 100, 200, 200);
    getch();
    closergraph();
    return 0;
}
```
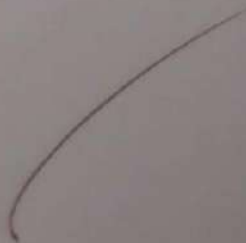
Output:

2. Program to draw a circle

```c
#include<graphics.h>

#include<conio.h>

main()

{
        int gd = DETECT, gm;

        initgraph(&gd, &gm, "C:\\TC\\BGI");

        circle(100, 100, 50);

        getch();

        closergraph();

        return 0;

}
```

Output
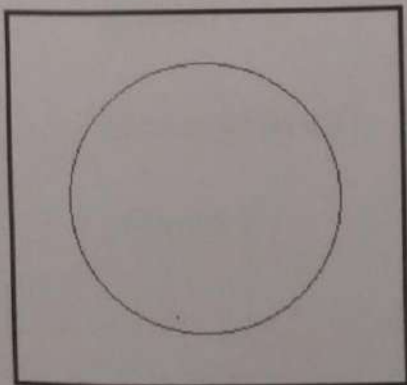
3. Draw a emoji in C using Graphics.

```c
#include<stdio.h>
#include<conio.h>
#include<graphics.h>
#includes<dos.h>
int main()
{
        int gdriver=DETECT,gmode;
        initgraph(&gdriver,&gmode,"C:\\TC\\BGI");
        circle(300,200,170);
        circle(230,170,40);
        circle(390,170,40);
        circle(305,230,20);
        arc(230,170,0,180,55);
        arc(390,170,0,180,55);
        rectangle(250,280,360,320);
        getch()
        closergraph();
        return 0;
}
```
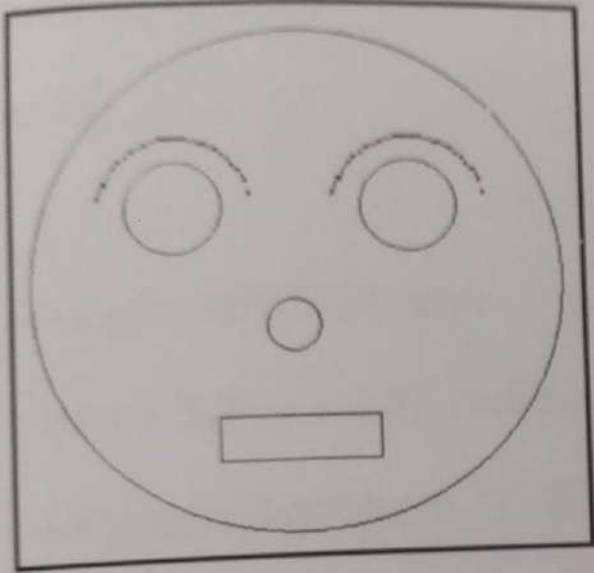
Output:

4. Program for Drawing concentric circles.

```
#include<graphics.h>
Int main()
{
    int gd = DECTECT, gm;
    int x = 320, y = 240, radius;
    initgraph(&gd, &gm, "C:\\TC\\BGI");
    for ( radius = 25; radius <= 125; radius = radius + 20)
    circle(x, y, radius);
    getch();
    closegraph();
    return 0;
}
```

Output:
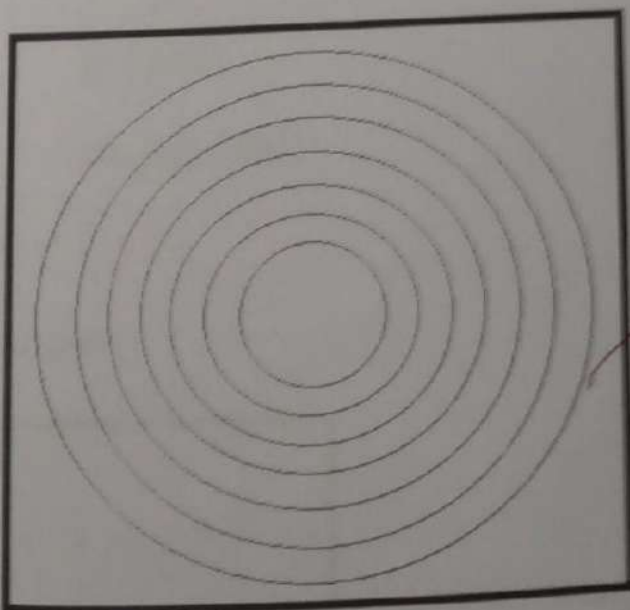
5. Program to draw a star.

```c
#include<stdio.h>
#include<graphics.h>
#include<conio.h>
Void main()
(
        int gd=DETECT, gm;
        initgraph(&gd,&gm,"");
        line(150,100,100,200);
        line(100,200,200,200);
        line(200,200,150,100);
        line(100,125,200,125);
        line(100,125,150,225);
        line(150,225,200,125);
        getch();
        closegraph();

}
```

Output:

VCACS Vishwakarma College of Arts,Commerce and Science, Pune.

(Affiliated to Savitribai Phule Pune University)

NAAC Accredited with 'B+' Grade

Date : 10/12/2018

Notice

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Sr. No	Subject	Topic
1	Digital Image Processing	Image Acqsition
		Image Data Compression
2	Advanced Operating System	Operating system Security
		The History and Experience of system Programming
3	Data Mining and Data Warehousing	DW Bus Architecture
		Web Mining
4	Programming With DOT NET	ADO .Net
		Using .Net Framework
5	Artificial Intelligence	Game Theory
		Computer Vision and Perception
6	Advance Design and Analysis of Algorithms	Binary Search
		Belief Propagation Algorithm (BP)

Coordinator

HOD
(Science)

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune-411 048.

14

Name: Khan Ruksar Ayaz
Roll No: 7027
Class: FYMSC(CS)

Web Mining

What is web mining?

The process of discovering knowledge from web page content, hyperlink structure, and usage data   Builds on existing data and text mining techniques, but adds many new tasks and algorithms. The web is unique! Web reflects a virtual society --- interactions among people, organizations, and automated systems, no longer limited by geography.

The purpose of Web mining is to develop methods and systems for discovering models of objects and processes on the World Wide Web and for web-based systems that show adaptive performance. Web Mining integrates three parent areas:

Data Mining (we use this term here also for the closely related areas of Machine Learning and Knowledge Discovery), Internet technology and World Wide Web, and for the more recent Semantic Web. The World Wide Web has made an enormous amount of information electronically accessible. The use of email, news and markup languages like HTML allow users to publish and read documents at a world-wide scale and to communicate via chat connections, including information in the form of images and voice records. The HTTP protocol that enables access to documents over the network via Web browsers created an immense improvement in communication and access to information. For some years these possibilities were used mostly in the scientific world but recent years have seen an immense growth in popularity, supported by the wide availability of computers and broadband communication. The use of the internet for other tasks than finding information and direct communication is increasing, as can be seen from the interest in e- activities such as e-commerce, e-learning, e-government, e-science. Independently of the development of the Internet, Data Mining expanded out of the academic world into industry. Methods and their potential became known outside the academic world and commercial toolkits became available that allowed applications at an industrial scale. Numerous industrial applications have shown that models can be constructed from data for a wide variety of industrial problems. The World-Wide Web is an interesting area for Data Mining because huge amounts of information are available.

Data Mining methods can be used to analyze the behavior of individual users, access patterns of pages or sites, properties of collections of documents.

What is data mining? Data mining is also called knowledge discoveryv and data mining (KDD) Data mining is extraction of useful patterns from data sources, e.g., databases, texts, web, images, etc. Patterns must be: valid, novel, potentially useful, understandable.

Classic data mining tasks Classification: mining patterns that can classify future (new) data into known classes. Association rule miningv mining any rule of the form $X \rightarrow Y$, where X and Y are sets of data items. E.g., Cheese, Milk$\rightarrow$ Bread [sup =5%, confid=80%] Clustering identifying a set of similarity groups in the data Sequential pattern mining: A sequential rule: $A \rightarrow B$, says that event A will be immediately followed by event B with a certain confidence.
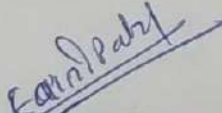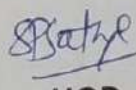
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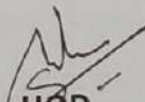
Vishwakarma College of Arts, Commerce and Science
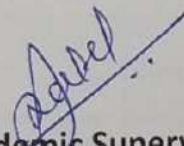
NOTICE

All the students of Vishwakarma College of Arts, Commerce and Science are hereby informed that the **Vishwa-Carnival 2018-19(Cultral Event)** is held on 11th Jan 2019 at VCACS Ground from 4.00 pm to 9.00 pm. The entry is strictly in between 4.00pm -5.30pm only.
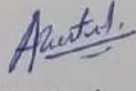
Note:-I-Card and entry pass are compulsory for entry.

Cultural Secretary

HOD
Com

HOD
Science

Academic Supervisor
Jr

Principal
Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa(Bk.), Pune - 411 048.

BRACT's

Vishwakarma College of Arts, Commerce and Science
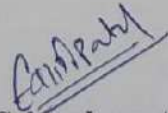Kondhwa, Pune- 411 048

VISHWA CARNIVAL- 2018-19
ANTAKSHARI COMPETITION

All students of VCACS are hereby informed that Antakshari Competition will be held on 3/1/2019 at 12:00 to 2:00 . Interested students should register their names to the Faculty members on or before **31/12/2018 till 4:00 pm**.

Venue: 108

AntakshariCompetition committee members:
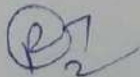
In-Charge : Rupali Taware
Members :
1) Komal Yadav
2) Madhura Thite
3) SnehalPomah
4) Swapnil Chougule
5) Sudarshan Bhukele
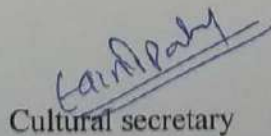
Rules:
- ❖ ID card is compulsory.
- ❖ A team should consist of three members.
- ❖ Registered team members must be present 15 minutes before thecompetition otherwise that team will be disqualified.
- ❖ On the Spot Replacement of any team member is not allowed.
- ❖ The decision of the judges shall be final and binding on all teams.
- ❖ In case of a tie there shall be a additional round.

Dr. A   R. Patil
P   P L
Vishwakarma C   f Arts
Commerce &
Kondhwa(Bk.), Pune - 411 048.

In charge   Cultural secretary   Principal

Vishwakarma College of Arts Commerce and Science, Pune

Antakshari Competition (2018-19)
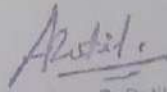
CONGRATULATIONS

Name of Winners

1st prize: -	MuskanM.Hanif Pathan	SYB.Sc(CS)
	RutujaUddhavPhanse	
	Soujanya Mallikarjun Patil	
2nd prize:-	Om Rajendra Kamthe	XI Com
	Ayush Vikas Burse	XI Com
	Rutwik Nitin Vanjare	XI Sci

Event Incharge

Cultural secretary

Dr. A. R. Patil
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa (Bk.) Pune - 411 048.
Principal

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE

(Affiliated to University of Pune & Recognized by Government of Maharashtra)

IDNo:- PU/PN/ACS/275/2007

College Code :- 824

विश्वकर्मा कला , वाणिज्य व विज्ञान महाविद्यालय , कोंढवा , पुणे – ४८

राष्ट्रीय सेवा योजना अंतर्गत 'युवा सप्ताह' आयोजन अहवाल

दि . १८-०१-२०१८

महाविद्यालयात दिनांक १२/०१/२०१८ ते १८/०१/२०१८ या कालावधीत 'युवा सप्ताह' चे आयोजन करण्यार आले. या अंतर्गत, बुधवार दिनांक १७/०१/२०१८ रोजी विविध विषयांवरील चर्चासत्राचे आयोजन करण्यात आले. कार्यक्रमासाठी विश्वकर्मा इंस्टीट्यूट चे प्राध्यापक व रा.से.यो. चे कार्यक्रम अधिकारी डॉ.आर. एस. आचार्य सर, महाविद्यालयाचे प्राचार्य मा. डॉ.अ.आर.पाटील सर यांची प्रमुख उपस्थिती लाभली.

मा. आचार्य सर यांनी स्वामी विवेकानंदांचे विचार, त्यांचे व्यक्तिमत्व व आजचा युवक आणि राष्ट्रीय सेवा योजनेचे विद्यार्थी जीवनातील महत्त्व, अशा दोन्हीही विषयांवर मोलाचे मार्गदर्शन केले. तसेच महाविद्यालयाचे प्राचार्य मा. पाटील सर यांनीही स्वच्छ भारत, युवा शक्ती व त्यांचा वैज्ञानिक दृष्टीकोन अशा अनेक विषयावर मार्गदर्शन केले.

कार्यक्रमाच्या पुढील भागात विद्यार्थ्यांनी व प्राध्यापकांनी पुढील विषयांवर आपले विचार मांडून चर्चासत्रात सहभाग घेतला :

१. स्वामी विवेकानंदांचे विचार व आजचा युवक

२. स्वच्छ व स्वस्थ भारत

३. प्लास्टिक कचरा निर्मुलन

४. आजची युवकांची बदलती विचारसरणी

चर्चासत्रात सहभागी विद्यार्थ्यांचे कौतुक व इतर विद्यार्थ्यांना प्रोत्साहन देण्यासाठी प्रतिनिधिक स्वरुपात गुणानुक्रम देण्यात आले, ते पुढीलप्रमाणे:

- प्रथम क्रमांक : देशमुख अमोल : आजची युवकांची बदलती विचारसरणी (SYBBA - IB)
- द्वितीय क्रमांक : बोदुल रोहन : स्वामी विवेकानंदांचे विचार व आजचा युवक (SY B.Com.)

५. या कार्यक्रमास विद्यार्थ्यांचा भरपूर प्रतिसाद मिळाला व या कार्यक्रमातून विद्यार्थ्यांना वरील विषयाबरील अनेक नवीन गोष्टी, आपली कर्तव्य व आजची युवकांची विचारसरणी, याबाबत मार्गदर्शन मिळाले. शिंदे सुवर्णा यांनी आभार प्रदर्शन करून कार्यक्रमाची सांगता केली.

रा. से. यो – कार्यक्रम अधिकारी

प्राचार्य
Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa(Bk.), Pune - 411 043.

'युवा सप्ताह' अंतर्गत बुधवार दिनांक १७/०१/२०१८ रोजी विविध विषयांवरील चर्चासत्रा दरम्यान विश्वकर्मा इंस्टीट्यूट चे प्राध्यापक व रा.से.यो. चे कार्यक्रम अधिकारी डॉ.आर. एस. आचार्य सर आणि महाविद्यालयाचे प्राचार्य मा. डॉ.अ.आर.पाटील सर मार्गदर्शन करतांना, व विद्यार्थी आपले मत मांडत असताना घेतलेले छायाचित्र ...

Subject : 201 Cost Accounting

Q:1 Short Notes

1. Cost
2. Costing
3. Cost Accounting
4. Limitations of Financial Accounting

Q: 2 From the following figures ascertain -

A. Prime Cost   B. Works Cost C. Cost of Production D. Total Cost E. Sales

Direct Materials Rs. 70,000; Direct Wages Rs. 50,000; Direct Expenses 50% of direct wages; Factory overheads Rs. 60,000; Administration overhead Rs. 40,000; Selling and Distribution overheads Rs. 20,000; Sales is 25% on total cost.

Q.3 The following figures have been extracted from the books of ABC Co. Ltd. for the year ended 31.3.2019.

Direct material 70,000	Direct wages 75,000
Indirect Wages 10,000	Other direct expensed 15,000
Factory rent and rates 5,000	Office rent and rates 500
Indirect Materials 500	Depreciation of plant 1,500
Depreciation of office furniture 100	Managing Director's remuneration 12,000
General factory expenses 5,700	General Office Expenses 1,000
General Selling expenses 1,000	Travelling Expenses 1,100
Office salaries 4,500	Carriage outward 1,000
Advertisements 2,000	Sales 2,50,0000

From the above figures calculate
i. Prime cost ii. Works cost, iii. Cost of Production, iv. Cost of sales, v. Net profit

Subject : 202 Origin and Development of Global Business

1. Explain the Concept of Globalization.

2. Deference between International and Domestic Business.

3. Explain the WTO and IMF with Its Objectives and Functions.

4. Concept of World Bank.

5. Concept of UNCTAD.

Subject : 203 Commercial Geography

Write Short Notes on:

1. Nature of Commercial Geography
2. Scope of Commercial Geography
3. Importance of study of Commercial Geography
4. Substantial Development
5. Geographical Indication
6. Sectors in the Economy

Subject : 204 Principles of Marketing

Q1) Define Marketing and explain functions of Marketing.

Q2) Define Services and elaborate different services offered in consumer market.

Q3) Short Notes

a. Duties and responsibilities of Marketing Manager

b. Rural marketing

Subject : 205 Business Statistics

1) Define i) Attribute ii) Variable   iii) Discrete variable   iv) Continuous variable.

2) Draw less than cumulative frequency curve.

Marks	0-20	20-40	40-60	60-80	80-100
No. of students	2	18	42	29	5

3) Find median for the following frequency distribution.

X	5	6	7	8	9	10
f	8	10	9	6	5	4

4) The mean of 100 items was 50. Later on it was discovered that 18 was misread as 80. Find correct mean.

Subject: 206 Fundamentals of Computers

Q1) What is computer? Explain the types of computer.

Q2) What is operating system? Explain its any two types.

Q3) Short Notes

a. Cyber Security

b. Network Topology

NOTE:

1. **All assignments to be written in the Journal provided by College - according to subject codes.**
2. **The submissions to be done in First week of January 2020, notice will be put on the Board.**
3. **Along with the submissions Oral Examination for the respective subjects will be conducted by subject teacher.**

Notice: Journal and Assignement 1   Details Date: 22.07.2019

Sr. No.	Sub Code	Subject	Topic	Form	Submission Date
1	101	Principles and Practices of Mgmt	Q. 1 Explain the role of Mangers in detail. Q 2. Discuss Management as an Art, Science, Profession and a Social System. Short Notes: a) Importance of Mangement.	Assignment Book	7/8/2019
2	102	Business Communication Skills	1) Application to the HR Manager in the Bank requesting for a job. 2) Application to the Principal for grant of Scholarship 3) Application to the Principal fortransfer Certificate 4) Application to the Principal for change of Section 5) Application to the Principal for two days leave.	Journal	7/8/2019
3	103	Business Accounting	Define the following: Assets, Liabilities, Capital, Debtors, Creditors, Current Assets, Contingent Liabilities, Cash Discount, Account, Drawings and 2 Practical Question: Sheet Displayed alongwith the notice	Assignment Book	7/8/2019
4	104	Business Economics Micro	Long Answer Question: 1) Define the Micro Economics, Explain the nature, scope, and significance of Micro Economics. 2) Define law of Demand, Explain the determinants and exceptions. Short Answer Question: 1) Difference between Micro and Macro Economics. 2) Price Elasticity of Demand with it's types.	Assignment Book	7/8/2019
5	105	Business Mathematics	Problems on the Sheets displayed alongwith the Notice	Assignment Book	7/8/2019
6	106	Business Demography	Questions and MCQ: Sheets displayed alongwith the Notice	Journal	7/8/2019

Note:

 The Assignemnts/ Projects/ Journals evaluation will be considered for Internal Assessment Purpose.

 The Assignemnts/ Projects/ Journals to be preserved by the students for the whole academic year for the future refernce.

 The Assignemnts/ Projects/ Journals to be submitted on the submission dates to the respective subject teachers only.

 Signing on the Submission Sheets at the time of Submission is solely students's responsibility .

Coordinator   HOD   Principal

All students are hereby inform that Assignment I Submission Schedule is as follows:

Sr. No.	Name of Subject	Assignment Questions	Submission Date
1	Compulsory English- I	1) How is the journey of the poem Up- Hill? Explain what happens during the journey. 2) What is the most vital thing in life and why must you master it? Explain with the help of the poem Stay Calm. 3) Think of a product you want to promote in the market. It could be a detergent, an electronic item or health drink. Prepare a presentation consisting of five to seven slides.	8/08/2019 & 9/08/2019
2	Financial Accounting - I	1) Explain the Accounting concepts in detail. 2) Which are emerging trends in Accounting ? explain detail .	8/08/2019 & 9/08/2019
3	Business Economics - I	1. Define Micro Economics, explain the nature,scope and importance of micro economics. 2. Deference between Micro economics and Marco economics 3. Explain the Economies and Non-economies Goals of the Firms.	8/08/2019 & 9/08/2019
4	Banking & Finance - I	1.What is Bank ? Explain features of Bank. 2. Explain evolution of Banking India	8/08/2019 & 9/08/2019
5	Business Mathematics & Statistics - I	Assignment I - Please refer the Enclosure	8/08/2019 & 9/08/2019
6	Computer Concepts and Application- I	1) Define Computer .Explain its characteristics,advantagesand drawbacks. 2)What is file organisation?Explain sequential file organisation and index file organisation.	8/08/2019 & 9/08/2019
7	Essentials of ECommerce	1. Definition of E-commerce. Explain Advantages and Disadvantages of E-commerce 2. Explain functions of e-commerce. 3. Difference between traditional commerce and E-commerce	8/08/2019 & 9/08/2019
8	Marketing & Salesmanship	1) Define Market and explain the classification of Market? 2)Explain the functions of Marketing?	8/08/2019 & 9/08/2019
9	Marathi	□□□□□□ (□□□□□□□□□) □□□□□□□ - □ □) □□□□□□□ □□□□□□□□ □□□□□□□ □□□□□□□ □□□□ □□□□□□□□□□□ □ □□□□□□□□ □□□□□□□□ □□□□□□□ □□□□□ □□□□ . □)'□□□□ □□ □□□□□□ □□□□ □□□□□□□□ □□□' □□□□□□ □□□ . □) □□□□□□□□□□ □□□□□□□□□□□ □□□□□□□□□ □□□□□□□ □□□□□ □□□ .	8/08/2019 & 9/08/2019
10	Hindi	□□□□□□□□□ □□□. □ □) □□□□□□□□ □□ □□□□□□ □□ □□□□ □□ □□□□□□□ □□□□□□ □) □□□□ □□ □□□□□□□□ □□□ □□□□ □□□□□□ (□ □□ □□ □□)	8/08/2019 & 9/08/2019

Note :
1. All students should make 200 pages book for assignments and keep with them for whole year.
2. It is considered for internal assessment.
3. Students should be responsible for submitting and signing the assignments.

Co-ordinator   **HOD**   **Principal**

BRACT'S
Vishwakarma College of Arts Commerce & Science
Kondhwa (BK),Pune 411048
SYMSc(CS) Sem I (19-20)
ASSIGNMENT SUBMISSION NOTICE

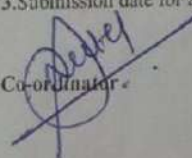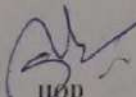| Date : 7/ 1/2022	2/9/2019	
All students are hereby inform that Assignment I Submission Schedule is as follows:		
Sr. No.	**Subject**	**Assignment Questions**
1	Software Metrics and Project Managemt	1.Explain capability maturity model. 2.Explain overview of project in details. 3.Explain performance reporting. 4.Write short on metric plan. 5.Explain simulation in details.
2	Mobile Computing	1. Expalin Mobile Application. 2 .What is difference between FDMA and TDMA. 3 .What is Activity.Explain Activity Life Cycle. 4 .Explain GPRS architecture. 5 .Explain IP packet delivery.
3	Soft Computing	1. Write short notes on- i) Hybrid Systems ii) Neuro - Fuzzy and soft Computing characteristics. 2.Explain properties of TLNS. 3.Explain operators in GA. 4.Explain supervised learning and unsupervised learning.
4	Web Services	1. Explain Web Service Architecture. 2.Explain structure of SOAP Message. 3. Write Down Limitations of WSDL . 4. Explain Categorization in UDDI. 5. Explain RPC Communication Model in detail
5	Business Intelligent	1.Explain data warehouse architecture. 2.Explain data mining process. 3.Short note on text mining. 4.Short note on six sigma. 5.Explain Meta Data .
Note :		
1. It is considered for internal assessment.		
2. Students should be		

responsible for submitting the assignments.		
3.Submission date for all subjects- 2/9/2019		
Co-ordinator		HOD Principal

Class Test (July - 2019)

Course - FYBBA (CA)

Subject: Business Communication Skills

Date: 25/07/19

Paper No: 101

Time: 12.45PM to 1.45PM

1) Attempt any four. (20 Marks)

Define "Communication". Explain the Process of Communication .

Explain the Effective Principles of communication.

State the importance of Communication.

Explain the Language and Cultural barriers of Communication.

How will you Overcome Barriers in Communication ?
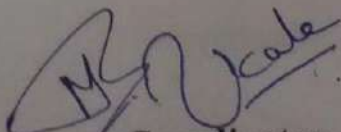
State Physical Barriers in Communication.
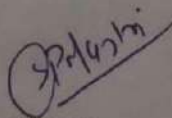
Savitribai Phule Pune University

Internal Examination-Time Table

(Academic Year 2019-20 - Sept 2019)

T.Y.B.B.A. (SEM-V)
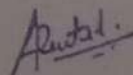
Date	Day	Sub. Code	Subject	Time
24/9/2019	Tuesday	501	Supply Chain and Logistics Management	8:00 am to 9:00 am
		502	Entrepreneurship Development	9:30 am to 10:30 am
25/9/2019	Wednesday	503	Business Law	8:00 am to 9:00 am
		504	Research Methodology (Tools and Analysis)	9:30 am to 10:30 am
26/9/2019	Thursday	505	Specialization- I	8:00 am to 9:00 am
		506	Specialization- II	9:30 am to 10:30 am

Seating Arrangement:

Roll No	Hall No	Strength
4201 - 4242	304	42
4243 - 4277	305	35

Coordinator

HOD

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa (Bk) Pune-411 048.
Principal

Vishwakarma College of Arts Commerce & Science

Kondhwa (BK),Pune 411048

SYMSc(CS) Sem I (19-20)

ASSIGNMENT SUBMISSION NOTICE

Date : 2/9/2019

All students are hereby inform that Assignment I Submission Schedule is as follows:

Sr.	Subject	Assignment Questions
1	Software Metrics and Project Managemt	1.Explain capability maturity model. 2.Explain overview of project in details. 3.Explain performance reporting. 4.Write short on metric plan. 5.Explain simulation in details.
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Note :

1. It is considered for internal assessment.
2. Students should be responsible for submitting the assignments.
3.Submission date for all subjects- 2/9/2019

Co-ordinator

HOD

Dr. Arun R. Patil

PRINCIPAL

Vishwakarma College of Arts,

Commerce & Science

Kondhwa(Bk.), Pune-411 048.

Name :- Pinky . Pavan . Pareek
Roll no :- 6095
Subject :- CS II DBMS
Course :- FYBSc (CS) (19 - 20)

Assignment No :- 2.

Q-1] Explain Record Based Logical data model.

⇒ Record based logical data model :-
   This model is also used to describe data at logical & view level. It is used to describe the logical structure of database in terms of records This model provides a higher level description of implementation. There are 3 subtypes :-

a) Relation model :-
   The relational model uses a collection of tables to represent both data & the relationships among those data. Each table has multiple columns and each column has a unique name.

Customer Table

cust_id	name	city
1	Soniya	Pune
2	Riya	Satara
3	Vishal	Pune

Account table

acc_no	balance
A-101	15,000
A-201	20,000
A-304	10,000

cust_account table

cust_id	acc_no
1	A-101
2	A-304
3	A-201
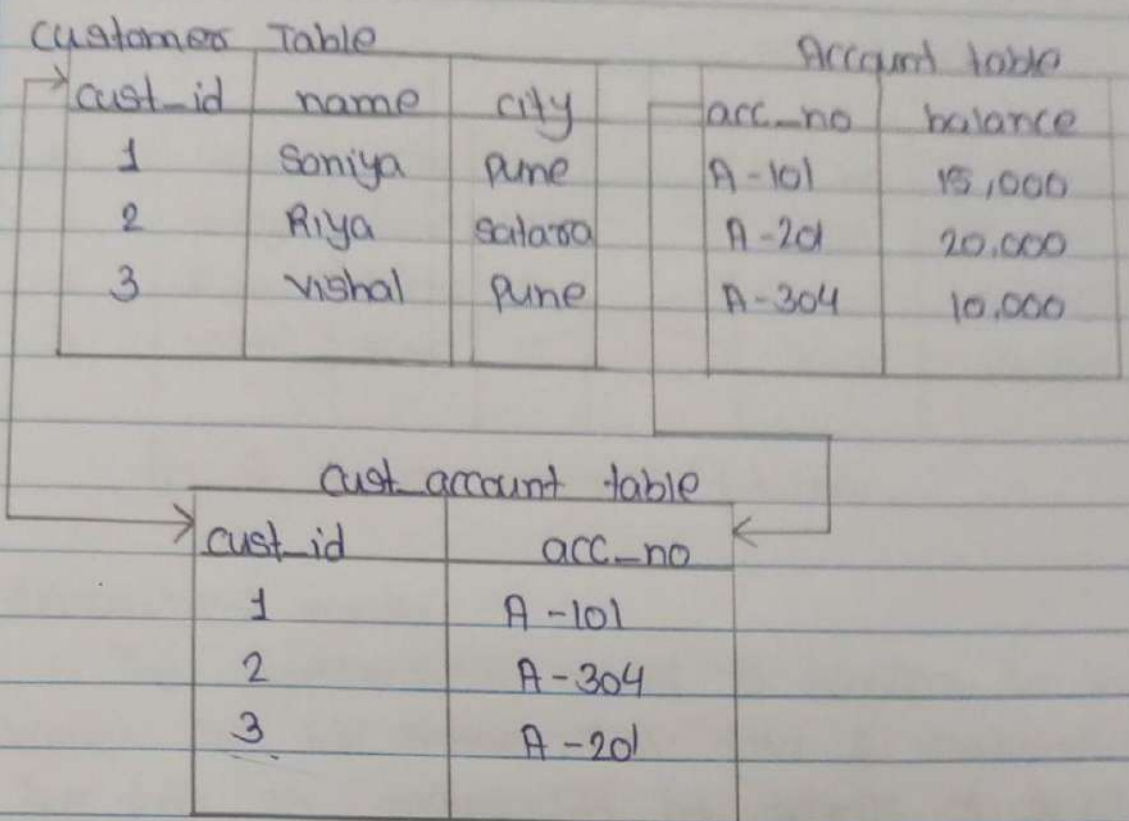
fig. A sample Relational model

eg. In a database, there are 2 tables customer & account. The relationship between these 2 tables has been shown in cust_account table. In cust_account table, where one field or column from both table is taken together.

b) Network model :-

Data in the network model is represented by collections of records & relationships among data is represented by links, which can be viewed as pointers. The records in the database are organized as collection of arbitrary graphs.

Customer table

Account table

cust_id	Name	city	link
1	Soniya	pune	•
2	Riya	satara	•
3	vishal	pune	•

acc_no	balance
A-101	15,000
A-201	20,000
A-301	10,000

fig. A sample network database

c) Hierarchical model :-

The hierarchical model is similar to the network model in the sense that data & relationships among the data is represented by records of links, resp. It differs from the network model in that records are organized as collections of three rather than arbitrary graphs.

| 1 | soniya | Pune | | 2 | Riya | satara | | 3 | vishal | Pune |

| A-101 | 15,000 | | A-301 | 10,000 | | A-201 | 20,000 |
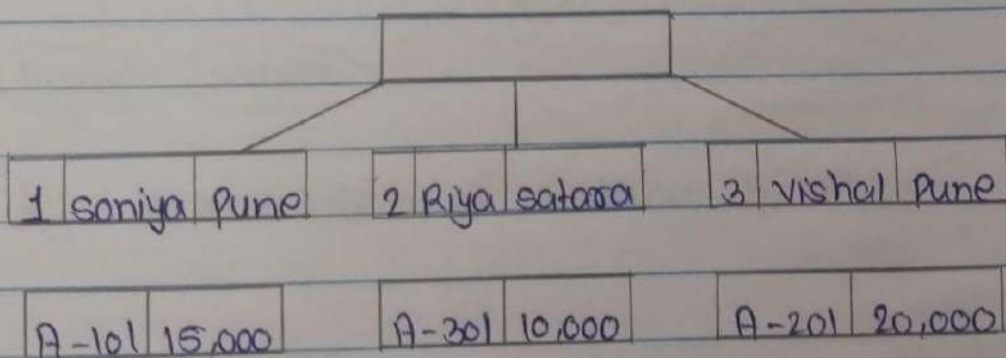
fig: A sample hierarchical database

2-2] What are the different types of attributes?

⇒ Attributes :-

once, the entity is identified, then it is described in real terms or through its attributes. For each attribute, set of permitted values are available called as domain. [A set of all possible values for that particular field is called domain.]

In E-R diagram, an attribute is represented in two different ways.

1) By ellipses attached to entities
2) By listing the attribute as text.
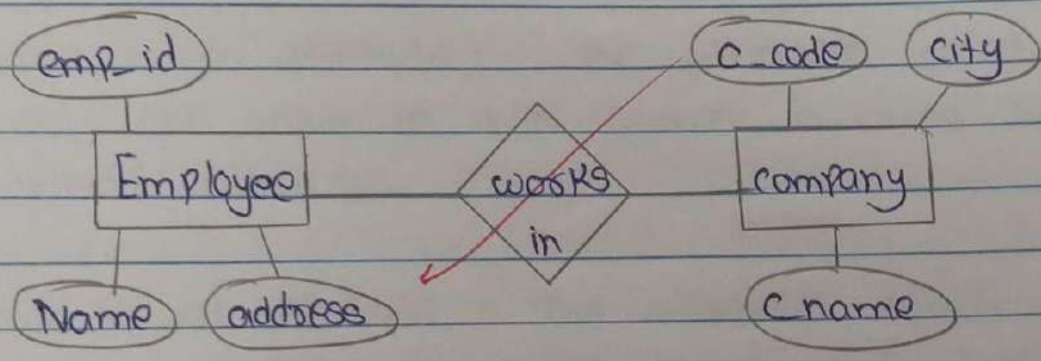
fig:- Representation of attributes by ellipses

- Emp-id
- Name
- address

- C-code
- C-name
- City
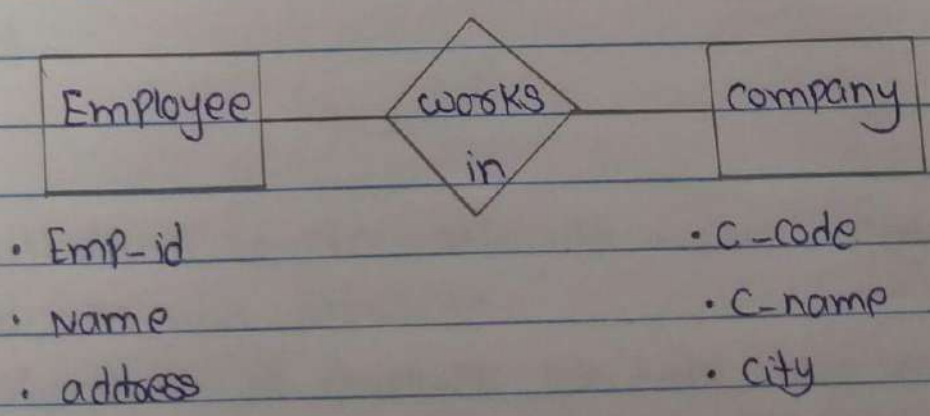
fig. Representation of attribute by text

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An attribute may be of following types :-

1) Simple attribute :- The attribute which are not divided into subparts is called as simple attribute. These are also called as atomic attributes.
   e.g. roll_no

   (roll_no)

2) Composite attribute : The attribute can be divided into subparts.
   e.g. name is divided into first name, middle name & last name.

3) Single valued attribute :- The attributes which contains only one value in their column is called single valued attributes.

4) Multi-valued attribute :- The attributes which contains more than one value is called multivalued attribute.
   e.g. contact_no
   The multivalued attributes are represented by following symbol.
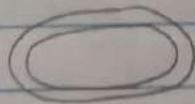
5) Null attribute :- The attribute without any value is called as null attribute.
   e.g. Phone-no of employee can have null value, if employee does not have telephone connection.

5) Derived attributes :- The value of this attribute can be derived from values of other related attributes or entities. It is represented as dotted ellipse or oval.
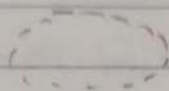
e.g. age can be derived attribute.

(age)
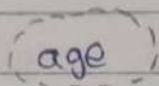
Q-3] What are the different types of constraints ?

⇒ Integrity constraints :-
  Integrity constraints are a set of rules. It is used to maintain the a quality of information. Integrity constraints ensure that the data insertion, updating & other processes have to be performed in such a way that data integrity is not affected.
  Types of Integrity constraints :-

Integrity constraints

Domain Constraint	Entity Integrity Constraint	Referential Integrity Constraint	Key Constraint
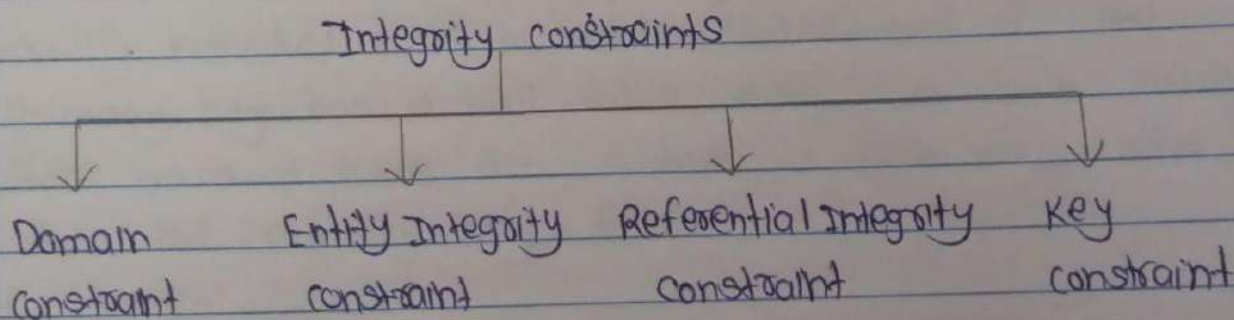
1) Domain constraints :- Domain constraints can be defined as the definition of a valid set of values for an attribute. The data type of domain includes string, character, integer, time, date etc. The value of the attribute must be available in the corresponding domain. e.g. roll_no data type is int.
∴ we can not enter character value for roll_no.

2) Key constraints :- Keys are the set of attributes used to identify record in entity set uniquely. An entity set can have multiple keys, but out of which one key will be the primary key.
   There are 4 types of key :-
a) super key
b) candidate key
c) Primary key
d) Foreign key

3) Entity Integrity constraints :- The entity integrity constraint states that primary key value can't be null. This is because the primary key value is used to identify individual rows in relation (table) and if the primary key has a null value, then we can't identify those rows. A table can contain a null value other than the primary key field.
e.g. emp-

emp_id	Name	designation
123	Sam	clerk
↑	Jay	cashier

   Not allowed as primary key can't contain null value

4) Referential Integrity constraints :-

A referential integrity constraint is specified between two tables. In the referential integrity constraints, the domain for foreign key must be same as domain for primary key.

eg. Table 1

Emp_id	Name	Dept_no	← foreign Key
1	Syyash	11	
2	Ramila	24	
3	Rohan	18 →	Not allowed as dept_no 18 is not in domain of dept_no primary Key in table 2.
4	Shiv	13	

Relationship

Table 2

Primary Key

Dept no	D_location
11	Pune
24	Pune
13	Delhi

6) Unique Constraint :-

Unique constraint ensures that all values in a column are different. Both the unique & Primary Key constraints Provide a guarantee for Uniqueness for a column or set of columns.

A Primary Key constraint automatically has a unique constraint. However, you can have many unique constraints Per table but only one Primary Key constraint Pertable.

Null/not null vecto constraint :- The not null constraint on an attribute specifies that the null value is not allowed for that attribute; in other words, the constraint excludes the null value from the domain of that attribute. e.g. the not null constraint on the name attribute of the student relation ensures that the name of the student can not be null.

Check constraint :- A check constraint in DBMS allows you to specify a condition on each row in a table.
      The check constraint is used to limit the value range that can be placed in a coleumn. If you define a check constraint on a single column it allows only certain values for this column.

-4] Define :-

a] super key :-
      It is a set of one or more attributes taken collectivey to uniquey identify a record in a table.
      e.g. cust (cust_id, cust_name, cust_addr)

Possible super keys are are as follows :-
      {cust_id}, {cust_id, cust_name},
      {cust_id, cust_name, cust_addr}

b) Candidate Key :-
Minimal super key is candidate key or candidate key is super key whose proper subset is not super key again.
e.g. in above example.
{cust_id} is candidate key.

c) Primary Key :-
one of the candidate key. It is a set of one or more attributes taken collectively to uniquely identify a record in a table.
e.g. cust_id is a primary key for cust.

d) Foreign Key :-
Primary Key of another table is called as foreign key

[Q-5] Explain extended features of ERD.

⇒ a) specialization :-
In specialization, an entity is divided into sub-entities based on their characteristics. Specialization is defined as "the process of identifying subsets of an entity that share some distinguishing characteristic."
It is a top down approach where higher level entity is specialized into two or more lower level entities.

Staff

Is a

Teaching staff

Non-teaching staff

specialization
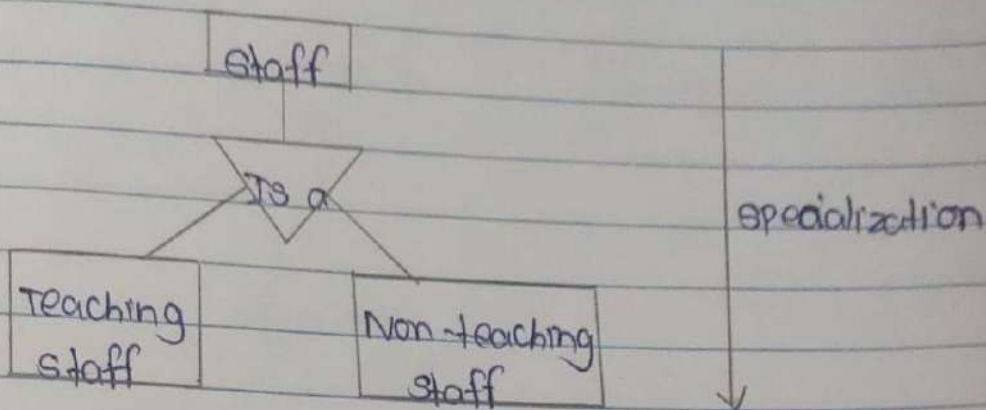
b) Generalization :-

Generalization is defined as "the process of identifying some common characteristics of a collection of entity sets and creating a new entity set that contains entities processing these common features."

It is a bottom up approach in which two or more entities can be generalized to a higher level entity if they have some attributes in common.

Staff

Is a

Teaching staff

Non-teaching staff

Generalization.
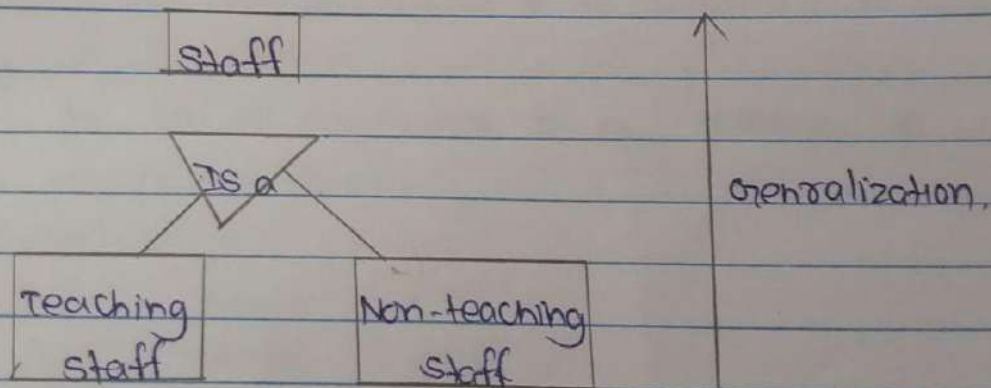
c) Aggregation :-

It is the process of combining info. on a object so that the higher level objects can be abstracted.

In any entity relationship diagram, we can not form a relationship among the entities and their relationship.
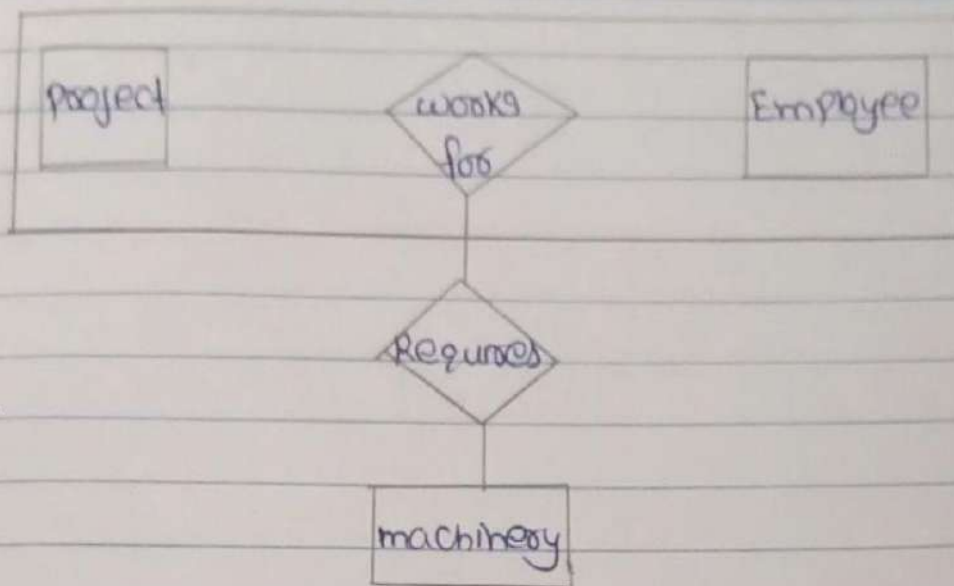
d) Structure of Relational Database:-

Following are the components/elements of relational database structure.

i) Relation :- A relation corresponds to a table of data.

ii) Tuple :- A single row of a relation

iii) Attribute :- column of a relation

iv) Cardinality :- The no. of tuples in a relation is called cardinality of a relation.

v) Degree :- The no. of attributes in a relation is called as degree of relation.

e.g.   Student

Rollno	Name
6001	Ankita
6002	Ashish
6003	Raghav

Cardinality of a student relation is 3. Degree of a student relation is 2.

vi) Primary Key :- a unique identifier for a tuple in relation.

VCACS Vishwakarma College of Arts, Commerce and Science, Pune.

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Date : 16/09/2019

Notice

This to inform to all students of SYMSc(CS) that they have to submit Seminar Report for all subjects. Topics are given below. Select the one topic for each subject. Submit all reports on or before Tuesday, 26/09/2019.

Sr. No	Subject	Topic
1	Software Metrics and Project management	RAD Model
		Types of Metrics
2	Mobile Computing	Application of Mobile Computing
		Technology in Mobile Computing
3	Soft Computing	Fuzzy Logic
		Neural Networks
4	Web Services	Web Services on Mobile Platform
		SOAP
5	Database and System Administrator	DBA roles and responsibilities
		Managing Constraints: Creating constraints, Dropping constraints, enabling and disabling constraints, deferring constraints checks
6	Functional Programming	Lambda Calculus
		Type Theory
7	Business Intelligence	Business Intelligence Tools
		OLAP (Online Analytical Processing)

Coordinator

HOD

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma **Principal** College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune-411 048

16

Name: Dalvi Pooja Haribhau
Roll No:7104
Class: SYMSC(CS)

OLAP (On-Line Analytical Processing)

The term On-Line Analytical Processing (OLAP) was coined by E.F. Codd in 1993 to refer to a type of application that allows a user to interactively analyze data. An OLAP system is often contrasted to an OLTP (On-Line Transaction Processing) system that focuses on processing transaction such as orders, invoices or general ledger transactions. Before the term OLAP was coined, these systems were often referred to as Decision Support Systems.

OLAP is now acknowledged as a key technology for successful management in the 90's.It describes a class of applications that require multidimensional analysis of business data.

OLAP systems enable managers and analysts to rapidly and easily examine key performance data and perform powerful comparison and trend analyses, even on very large data volumes. They can be used in a wide variety of business areas, including sales and marketing analysis, financial reporting, quality tracking, profitability analysis, manpower and pricing applications, and many others.OLAP technology is being used in an increasingly wide range of applications. The most common are sales and marketing analysis; financial reporting and consolidation; and budgeting and planning. Increasingly, however OLAP is being used for applications such as product profitability and pricing analysis; activity based costing, manpower planning; quality analysis, in fact for any management system that requires a flexible, top down view of an organization.

Online Analytical Processing (OLAP) is a method of analyzing data in a multidimensional format, often across multiple time periods, with the aim of uncovering the business information concealed within the data'- OLAP enables business users to gain an insight into the business through interactive analysis of different views of the business data that have been built up from the operational systems. This approach facilitates a more intuitive and meaningful analysis of business information and assists in identifying important business trends.

OLAP is often confused with Data Warehousing. OLAP is not a data warehousing, methodology, however it is an integral part of a data warehousing solution. OLAP comes in many different shades, depending on the underlying database structure and the location of the majority of the analytical processing. Thus, the term OLAP has different meanings depending on the specific combination of these variables.

OLAP can be defined as the process of converting raw data into business information through multi-dimensional analysis. This enables analysts to identify business strengths and weaknesses, business trends and the underlying causes of these trends. It provides an insight into the business through the interactive analysis of different views of business information that have been built up from raw operating data which reflect the business users understanding of the business.
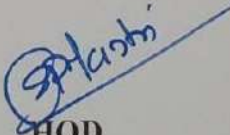
BRACT's
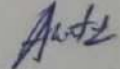# Vishwakarma College of Arts, Commerce and Science

NOTICE

All the staff members and students of Vishwakarma College of Arts, Commerce and Science are hereby informed that the Cultural week of _Vishwa-Carnival 2019-20_ will be celebrated from 20st Jan 2020 to 24th Jan 2020.

Note:-I-Card is compulsory for all the events.

Cultural Secretary

HOD
Commerce

HOD
Science

Principal

4

BRACT's

Vishwakarma College of Arts, Commerce and Science

VishwaCarnival 2019-2020

Street Play

All students of VCACS are hereby informed that Street Play will be held on 20/1/2020 @ 12:00 to 1:00 . Interested students should register their names to the committee member on or before **19/01/2020 till 3:00 pm**.

<u>Venue</u>: Main entrance lobby.

Street Play Competition committee members:

In-Charge : Suvarna Shinde

Members : Deepti Jakhalekar, Nilima Chincholkar, Swapnil Chougule.

Volunteers: Anjali Habib, Mangesh Lade, Aniket Powar, Meghsingh Rathod.

- **Subjects of Street Play:**
  - ➢ *Akrosh(Bezuban ki kahani unhi ki Zubani)*
  - ➢ *जागो बंधू जागो !*
  - ➢ *Road Safety*
  - ➢ *जगाचा पोशिंदा शेतकरी !*
  - ➢ *Environment*
  - ➢ *सत्यमेव जयते !!*

Rules:

❖ **ID card is compulsory.**

❖ Registered teams must be present before 15 of competition otherwise that team will be disqualified.

❖ Junior and Senior college team should be separate.

❖ Time limit is 10 minutes.

❖ Minimum 7 and maximum 10 members per team are allowed.

❖ Use of mike are not allowed

❖ Decision of the Judges will be final.

In charge

Cultural secretary

Principal
Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune-411 048.

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Date 20/1/2020

BRACT's
Vishwakarma College of Arts, Commerce and Science

VishwaCarnival 2019-2020
Congratulations

Street Play

Winners

1ˢᵗ Rank Class TYBSc -	*2ⁿᵈ Rank Class TYBSc-*
Abhishek Pujari	**Suraj Pandey**
Ganesh Raut	**prabhat Jha**
Pankaj Dadhim	**Arjun Kumavat**
Sayali Mundhe	**Harshal Gaikwad**
Noor Siddiquee	**Harsh Yadhav** Harshwardhanyadav
Rohan Verva	**Mahesh Bandwan**
Harsharaj Shriyan	**Manisha Chauwan**
Kedar Sangare Ankita Deekanda	**Vishal Diwan**
Harshawardhan Yadav	**Shivani Dangi**
Megha Jayarajan	**Meghsingh Rathod**

In charge

Cultural secretary

Principal

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune-411 048.

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BRACT's

Vishwakarma College of Arts, Commerce and Science, Pune

Department of NSS

Report on

"International Yoga Day"

Date : 21ˢᵗ June 2019.

Venue – VCACS, Ground ,Pune.

The Department of NSS, Vishwakarma College of Arts, Commerce and Science, Pune conducted a workshop on 21ˢᵗ June 2019, on "International Yoga Day".

Guest invited for the workshop

- Miss. Shivani Chinchole. (NATIONAL YOGA TRAINER)

NSS COMMITEE:-

- Prof. Hemant Jadhav(Program Officer)
- Prof. Sudhir Chitnis. (HOD- Science)
- Prof. Suvarna Shinde.

Objective of the Workshop:

- To promote the importance of doing Yoga for Self- development.
- To develop the habit of meditation among students so that they can enjoy more peace of mind and self-awareness, which is essential for a stress-free existence.
- To stay mentally and physically fit.

Minutes of the speaker:

Guest speaker and Yoga trainer Miss. Shivani Chinchole was invited to the campus of VCACS to make students available about importance of doing yoga

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and meditation in our life. She has not only talked about various Aasanas, Pranayama, Suryanamaskar and meditation but also she taught everyone how to do it. She said that yoga helps to keep the internal organs in the body to function properly by increasing the oxygen and blood flow. Proper oxygen and blood supply to all the vital organs helps to diminish the occurrence of major diseases related to heart, lungs, kidneys and other vital organs.
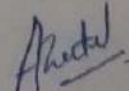
Students benefited – 30

Yoga Day photos:

Conclusion:

World Yoga Day aims to educate people about the various means of overcoming stress naturally without resorting to any artificial medicine. In short World Yoga Day aims to bring different communities around the globe together through the practice of yoga, so that they can eliminate all types of negativity from their lives and gain control over their emotions as well as health ailments which often acts as the major hindrance in our path of self- development

NSS OFFICER

PRINCIPAL Patil
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
(Bk.), Pune - 411 048.

> Attainment of PO and CO : Notice of Online Class Test, Assignment Notice, Sample Assignment, Seminar Notice, Sample Seminar Report, Extracurricular activities like Vishwanubhav, Vishwavardhini Flyer containing respective events, NSS sample activity such

Bansilal Ramnath Agarwal Charitable Trust's

Vishwakarma College of Arts, Commerce and Science, Pune.
(Affiliated to Savitribai Phule Pune University)
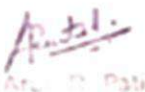### NAAC Accredited with 'B+' Grade

Date: 5-Oct-2021

NOTICE

All the students SY and TY BSc(CS) are hereby informed that "**Online Class Test**" Examination will be held from Monday, 18/10/2021 to 27/10/2021. Kindly refer timetable sent on Official Whatsapp group for scheduled of Class Test.

Note: -

1. Student should give the examination in mentioned scheduled as per timetable.
2. It is mandatory to give this "**Online class test**", as it's comes under the Continuous Evaluation program of CBCS.

Coordinator

HOD

Dr. Ar__ __. Patil
PRINCIPAL
Vishwakarma College of Arts,
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Kondhwa(Bk.), Pune-411 048
Principal

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Kondhwa (BK),Pune 411048
SYMSc(CS) ASSIGNMENT SUBMISSION NOTICE

Date : 3/ 4/2021

All students are hereby inform that Assignment I Submission Schedule is as follows:

Sr.	Subject	Assignment Questions
1	Software Architecture and Design Pattern	1.What is Unified Process? Explain the phases of UP. 2.Define Pattern And Design Pattern. 3.What is Early and Lazy instantion? Explain with example. 4.What is GRAPS? Define its responsibilities. 5.Difference between Spring Boot and Spring Core.
2	Machine Learning	1. Write a note on decision tree classification algorithm. 2.Write a note on SVM(Support Vector Machine). 3. Explain Apriori algorithm 4. Write down steps of Machine Learning process 5. Difference between Differential statistics and inferential statistics
3	Web Framework	1. Explain event Handling, 2. Explain Node.JS process model. 3. What is buffer? explain a buffer with example. 4. How to create web server in Node.Js? Explain with example. 5. Explain models.py in detail.

Note :

1. Write this assignments in Journal and upload respective PDF file on google form.

2. It is considered for internal assessment.

3. Students should be responsible for submitting and signing the assignments.

4.Submission date for all subjects- 10th April 2021.

Co-ordinator   HOD   Principal

VCACS

Teacher's Signature

Subject : Software Architecture & Design Pattern

Title : Assignment

Name : Neha Tummalapalli

Roll No.: 7158   Batch : 34 MSc (cs) Sem III

Date : 09/04/21   Date : 15/04/21

(Performed)   (Submission)

Q1. What is unified Process? Explain the phases of Unified Process.

Ans — 1. The unified Process (UP) combines commonly accepted best practices, such as: an iterative life cycle & risk-driven development into a cohesive & well-documented description.

2. UP is based on the enlargement and refinement of a system through multiple iterations, with cyclic feedback and adp adaptation.

3. The system is developed incrementally over time, iteration by iteration, and thus this approach is also known as iterative & incremental software development.

Phases of unified process —

① Inception — The inception phase is similar to the requirement collection and analysis stage of the software development model. During the inception phase, the basic idea and structure of the project is determined. In this phase, one has to collect requirements from the customer, analyze the project's feasibility.

② Elaboration — In this phase, you'd be expanding upon the activities undertaken in the inception phase. The major goals of the phase include creating fully functional requirements & creating a detailed architecture for fulfilment of the requirement.

③ Construction — In this phase, you will be writing actual code and implementing the application features for each iteration. This period is also where integration with other services or existing software

Q5. Difference between Spring boot & Spring core

Ans —

Spring core	Spring Boot
1. The spring core module forms the backbone of the entire spring Framework.	1. Spring Boot won't replace the Spring Framework bcz Spring Boot is Spring Framework
2. All other spring module are dependent on this module.	2. It simplifies the way we develop bcz It makes it easy to create production-ready.
3. It is used for building applications	3. It is used to develop REST API.
4. The primary feature is dependency injection.	4. The primary feature is Auto configuration.
5. It helps to make things Simple by allowing us to develop loosely coupled applications.	5. It helps to create a stand-alone application with less configuration.
6. The developer writes a lot of code (boiler-plate code) to do the minimal task.	6. It reduces boiler-plate code.
7. To test the spring core project, we need to set up the server explicitly.	7. Spring Boot offers embedded server such as Jetty & Tomcat, etc.

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Date : 22/01/2021

Notice

This to inform to all students of SYMSc(CS) that they have to submit Seminar Report for all subjects. Topics are given below. Select the one topic for each subject.

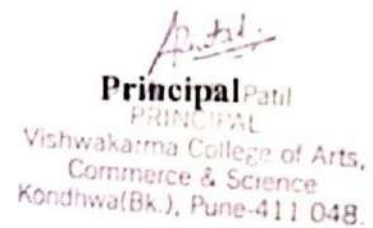Submit all reports on or before Monday, 1/02/2021.

Sr. No	Subject	Topic
1	Software Architecture And Design Pattern	Study of Design Pattern
		Study of Framework
2	Machine Learning	Statistical Methods used in Machine Learning
		Clustering in Machine Learning
3	Web Frameworks	Django Technology
		Express JS

Note :

- Maximum 500 words.
- Submission link will be provided by respective faculties.

Coordinator

HOD
(Science)

Principal Patil
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune-411 048.

Name : Atharv Subhekar Roll No: 7155

Class : SY M.Sc (Comp. Science) 2020-21

Machine Learning

Clustering in Machine Learning

1] What is Machine Learning?

- **Machine learning (ML)** is the study of computer algorithms that improve automatically through experience.[1] It is seen as a part of artificial intelligence. Machine learning algorithms build a model based on sample data, known as "training data", in order to make predictions or decisions without being explicitly programmed to do so.[2] Machine learning algorithms are used in a wide variety of applications, such as email filtering and computer vision, where it is difficult or unfeasible to develop conventional algorithms to perform the needed tasks.

- **Clever :** Machine Learning can review large volumes of data and discover specific trends and patterns that would not be apparent to humans. For instance, for an e-commerce website like Amazon, it serves to understand the browsing behaviors and purchase histories of its users to help cater to the right products, deals, and reminders relevant to them. It uses the results to reveal relevant advertisements to them.

- **Autonomous :** With ML, you don't need to babysit your project every step of the way. Since it means giving machines the ability to learn, it lets them make predictions and also improve the algorithms on their own. A common example of this is anti-virus softwares; they learn to filter new threats as they are recognized. ML is also good at recognizing spam.

- **Upgradable :** As ML algorithms gain experience, they keep improving in accuracy and efficiency. This lets them make better decisions. Say you need to make a weather forecast model. As the amount of data you have keeps growing, your algorithms learn to make more accurate predictions faster.

- **Versatility :** Machine Learning algorithms are good at handling data that are multi-dimensional and multi-variety, and they can do this in dynamic or uncertain environments.

- **Wide Applications :** You could be an e-tailer or a healthcare provider and make ML work for you. Where it does apply, it holds the capability to help deliver a much more personal experience to customers while also targeting the right customers.

- **Scalable :** ML algorithms are easily scalable and mostly resources are autoscaled by the algorithms as they gain experience.

2] What is Clustering?

- Clustering is the most popular technique in unsupervised learning where data is grouped based on the similarity of the data-points. Clustering has many real-life applications where it can be used in a variety of situations. The basic principle behind cluster is the assignment of a given set of observations into subgroups or clusters such that observations present in the same cluster possess a degree of similarity. It is the implementation of the human cognitive ability to discern objects based on their nature.

Prajakta Patil)

Chitnis S.D.

VISHWAKARMA COLLEGE OF ARTS, COMMERCE AND SCIENCE

COMMERCE DEPARTMENT PRESENTS

VISHWANUBHAV – 2K20

The Alumni Life & Leadership Experience

Date :- 24th to 29th November 2020

MANAGEMENT EVENTS

- ☐ Brainvita
- ☐ Mad Ads & Product Rap
- ☐ Hangman
- ☐ Man of the hour
- ☐ Lead By Speech
- ☐ Think Tank
- ☐ Online Tourism
- ☐ Quick and Correct
- ☐ Poster Making

LEADING ALUMNI

Karthik Shah – State General Secretary Youth Cell For Andhra Pradesh at WHRC

Shreyas Mundada – Best Employee Of The Year(TCS)

Vandit Chandak & Yash Kamlapure – INIFD Deccan pune

Swapnil Kuwad, Harsh Chauhan, Zainab Warsi – Start-Up Entrepreneur in Industry specific Training

Noorhalima Inamdar, Anshul Kumari, Pratik Todkar, Ashish Kakade – College Life Reminiscence

Ajit Upadhay, Parag Goyal, Uzair Shaikh – Career Guidance

FACULTY COORDINATORS

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Prof. Poonam Jadhav – 9423864319

Prof. Madhura Thite – 9422530077

STUDENT COORDINATORS

Ayaz Shaikh(B.B.A) - 9545951509

Hardik Thakkar(B.B.A-IB) - 9767909265

Chaitanya Bongu(B Com.) - 7558232980

Dr. Arun Patil
Principal

Dr. Shital Mantri
HOD Of Commerce Department

Prof. Sudhir Chitnis
HOD Of Science Department

Prof. Anjum Patel
Placement Officer

BRACT's

Vishwakarma College of Arts, Commerce & Science
Kondhwa (Bk) Pune-411048

विद्यार्थिनी मंच
आयोजित

विश्ववर्धिनी 2K21

(२१ - २५ जुन)

तारीख	वेळ	विषय	वक्ता
२१ जुन	9.30 am	विश्व योग साधना	श्रीमती शोभा मंत्री
	10.30 am	विश्व योग साधना स्पर्धा	
२२ जुन	9.30 am	आरोग्यम स्त्री-संपदा	डॉ.सोनाली मुंदडा
२३ जुन	9.30 am	विश्व उद्योजिका नारी: एक भरारी	कु.मृणाल काबरा
	10.30 am	कौशल्य विकास स्पर्धा	
२४ जुन	9.30 am	आत्मनिर्भर कन्या	सी.ए.अजित पुसेगांवकर
२५ जुन	9.30 am	स्त्री-व्यक्तिमत्व विकास - यशाची गुरुकिल्ली	डॉ.निशा मुंदडा
	10.30 am	मास्टरमाईंड प्रश्नमंजुषा	

Dr. Shital Mantri	Prof. Sudhir Chitnis	Prof. Anjum Patel	Dr. Arun Patil.
(HoD Commerce)	(HoD Science)	(IQAC Co-ordinator)	(Principal)

2

VCACS बन्सीलाल रामनाथ आगरवाल चॅरिटेबल ट्रस्टचे,

विश्वकर्मा कला, वाणिज्य व विज्ञान महाविद्यालय,पुणे .

राष्ट्रीय सेवा योजना विभाग.

वृक्षारोपण अहवाल .

दिनांक : ०२ ऑक्टोबर २०२०.

स्थळ – विश्वकर्मा कला,वाणिज्य व विज्ञान महाविद्यालय, प्रांगण.

वेळ : स.१०.०० वा ते दु. २.००वा

उपक्रमाची उद्दिष्ट्ये:

- सेवा आणि सामाजिक उपक्रम याबाबत जाणीव जागृती..
- वृक्षारोपणाचे महत्त्व विद्यार्थ्यांना समजावणे.
- पर्यावरण सरंक्षण आणि आपली जबाबदारी याची जाणीव.

उपक्रमाचा प्रत्यक्ष आढावा:

राष्ट्रीय सेवा योजना विभाग,विश्वकर्मा कला,वाणिज्य व विज्ञान महाविद्यालय यांच्यावतीने हा उपक्रम आयोजित करण्यात आला होता. राष्ट्रीय सेवा योजनेतील विद्यार्थी व राष्ट्रीय सेवा योजना कार्यक्रम अधिकारी प्रा.जय निकंबे व प्रा.ओंकार थोरात स. १०.०० वा. उपस्थित झाले होते. विद्यार्थ्यांनी वृक्षारोपणाची पूर्वतयारी करून ठेवली. स.११.०० वाजता श्री.भरतजी आगरवाल व इतर मान्यवरांच्या हस्ते वृक्षारोपण करण्यात आले. त्यानंतर विद्यार्थ्यांनी नियोजनानुसार वृक्षारोपण केले.

०४

विद्यार्थी संख्या - ०८

छायाचित्रे :

निष्कर्ष : वृक्षारोपण उपक्रम विद्यार्थ्यांसाठी नक्कीच प्रेरणादायी ,मार्गदर्शक व उपयुक्त ठरला आहे. सर्व प्रकारची काळजी घेत हा उपक्रम यशस्वीपणे पार पडला.

राष्ट्रीय सेवा योजना कार्यक्रम अधिकारी

Dr. Arun R. प्राचार्य.
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune - 411 048.

05

BRACT'S

Vishwakarma College of Arts Commerce & Science

Kondhwa (BK),Pune 411048

NOTICE

SYBSc (C.S.) INTERNAL ASSIGNMENT -I

Date :22th September 2021			Sem - III

All students are hereby inform that the **INTERNAL ASSIGNMENT -I for CBCS** evaluation is as follows:

Sr. No.	Subject	Assignment Questions
1	CS-231 Data structure and Algorithm-I	1) What do you mean by Data Structure? Give characteristics of Data Structure. 2) Definitition of Abstract Data Type(ADT). Explain it 3) Explain different types of data structure 4) Explain different types of asymptotic notations 5) Define Time Complexity and Space Complexity
2	CS-232 Software Engineering	1. What is system? What are its types? 2. What is software? What are its characteristics? 3. What are elements of system? 4. Differentiate between hardware & software. 5. What is software development process? Explain in brief.
3	ELC-231 Microcontroller Architecture and Programming	1. Differentiate between Microprocessor and Microcontroller. 2. Draw block diagram of Microcontroller 8051. 3. Draw bit format of PSW register of 8051. 4. Explain function of following registers – A , B, PC, SP & DPTR 5. Explain internal RAM organization of 8051 in detail.
4	ELC-232 Digital Communication and Networking	1. Explain block diagram of electronic communication system. 2. Differentiate between Synchronous and Asynchronous Serial Communication 3. Write note on Nyquist theorem. 4. Differentiate between Bit rate and Baud rate. 5. Explain significance of Shanon's theorem.

5	MT-231 Group and Coding theory	1.Find value of S &T such that 1=7 S+ 11T .Show that S&T Are not unique integer. 2. Find GCD & express the GCD ofthe following integer a &b as ax+by where x & y are integer p) 616, 427 q) 1357,1166 3) Test whether the following relation are equivalence relation or not .Justify a, b are integer , aRb iff a-b is divisible by 5. 4) Find congruence classes a) n=2 b) n=7 5)If (a,b)=1 & b | ac then show that b|c .
6	MT-232 Nummerical Analysis	1. Find the absolute, percentage and relative errors if X is rounded-off to three decimal digits.Given X=0.005998 2. If X=0.1416 and is correct to four decimal places then find the absolute accuracy and percentage accuracy. 3. Find a real root of the equation $f(x)=x^3-2x-5=0$ by the method of false position up to three places of decimal. 4. Derive the Newton-Raphson method for finding the value of 1/N Where N > 0. Find the Value of 1/19 by using initial approximation as 0.05 5. Find the value of $\sqrt{12}$ using Newton-Raphson method correct to four decimal places.
7	Language Communication (English)	1. How does Sambu and his mother's reactions to the trailers and advertisements differ and why? 2. Why does Sambu's mother not want to see the film? 3. How would you describe Sambu's attitude towards the film? 4. Why do you think Sambu keeps pestering his mother to see the film? 5. How would you describe Sambu's reactions at the end of the story?
8	Environmental Science	1. Write Down Definition of environmental studies. 2.Explain Multidisciplinary nature of enviromental studies. 3.Explain scope and importance of enviromental studies. 4.Explain the concept of sustainability. 5.Explain the concept of sustainability development.
Note :		

1.All the students should write the above **Internal Assignment Test on pages and submit the hardcopy in college.**		
2. Mention **Sr No and Name on Hardcopy.**		
2. It is considered for **INTERNAL ASSIGNMENT -I for CBCS evaluation**		
3. Students should be responsible for non evaluation.		
4.Submission date for all subjects- **27th September to 30th September 2021 in between 10.00am to 4.00pm**.		
Co-ordinator		**HOD Principal**

Vishwakarma College of Arts Commerce & Science
Kondhwa (BK),Pune 411048
NOTICE

Date :22th September 2021 · SYBSc (C.S.) INTERNAL ASSIGNMENT -I

All students are hereby inform that the INTERNAL ASSIGNMENT -I for CBCS evaluation is as follows:

Sem - III

Sr. No.	Subject	Assignment Questions
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7	Language Communication (English)	1.How does Sambu and his mother's reactions to the trailers and advertisements differ and why? 2.Why does Sambu's mother not want to see the film? 3.How would you describe Sambu's attitude towards the film? 4.Why do you think Sambu keeps pestering his mother to see the film? 5.How would you describe Sambu's reactions at the end of the story?
8	Environmental Science	1. Write Down Definition of environmental studies. 2.Explain Multidisciplinary nature of enviromental studies. 3.Explain scope and importance of enviromental studies. 4.Explain the concept of sustainability. 5.Explain the concept of sustainability development.

Note :

1.All the students should write the above Internal Assignment Test on pages and submit the hardcopy in college.

2. Mention Sr No and Name on Hardcopy.

3. It is considered for INTERNAL ASSIGNMENT -I for CBCS evaluation

4. Students should be responsible for non evaluation.

5.Submission date for all subjects- 27th September to 30th September 2021 in between 10.00am to 4.00pm.

R. Patil

Date :22th September 2 TYBSc (C.S.) Division A and B **NOTICE** INTERNAL ASSIGNMENT -I

All students are hereby inform that the INTERNAL ASSIGNMENT -I for CBCS evaluation is as follows:

Sem - V

Sr. No.	Subject	Assignment Questions
1	CS-351 Operating Systems – I	1. Define Operating System.Explain any two Computer system Components. 2. Write any two Functions of Operating system. 3. Write Advantages & Disadvantages of Multiprogramming OS . 4. Types of Multiprocessor system. 5. Write Advantages of Multiprocessor Ssytem.
2	CS-352 Computer Networks – II	1.Define Name Space and explain Flat Name Space and Hierarchical Name Space 2.Explain FQDN and PQDN 3.What is resolution explain in detail. 4 Explain E-Mail Archiecture. 5. What is FTP?How does communication takes place over control connection and over data connection.
3	CS-353 Web Technologies – I	1. Write features of HTML? 2.Define the following terms a)Web Page b) Web Browser c) Web Server d) WWW. 3. Explain about HTML Page Structure? 4. Write a program using any three text formatting tags? 5. Explain about Table tag and Frame tag?
4	CS-354 Foundations of Data Science	1.What are application of data Science? 2.With the help of diagram describe lifecycle of data science. 3.What is data science?Why the learning of data science is important? Explain in detail. 4.Explain 3V's of data Science with diagram. 5. What are components of data scientist toolbox?explain two of them.
5	CS-355 Object Oriented Programming using Java - I	1. Expalin the Features of Java. 2. Describe the structure of Java program. 3. Write short note on 1. jdk 2. JVM What are the conventions followed in Java for naming identifiers? Give examples.
6	CS-356 Theoretical Computer Science	1. Define a) Symbol b) Alphabet c) String d) Suffix e) Prefix 2. Construct a DFA for language containing strings starting with 'ab' and ending with 'ca' over {a, b, c}. 3. Construct a DFA for language containing strings starting with 'xy' and ending with 'yz' over {x, y,z}. 4. Construct a DFA for language containing strings having substring '011' over {0, 1}. 5. Construct a DFA for language containing strings starting with 'qr' and having substring 'pr' over {p, q, r}.
7	CS-3510 Python Programming	1.Write any three features of Python programming language? 2. Write any two application of Python programming language? 3. Draw and explain program structure of Python programming? 4. Write a program on addition and subtraction using Input and Output function? 5. Write a program to find area of reactangle and a circle?
8	CS-3511 Blockchain Technology	1. Explain Components of blockchain 2. Explain Consensus Mechanisms 3.Explain Smart Contracts 4. Explain Byzantine Fault Tolerance. 5.Explain Ethereum Virtual Machine, Ether, Gas

ote :

.All the students should write the above Internal Assignment Test on pages and submit the hardcopy in college.

. Mention Sr No and Name on Hardcopy.

. It is considered for INTERNAL ASSIGNMENT -I for CBCS evaluation
. Students should be responsible for non evaluation.
.Submission date for all subjects- 27th September to 30th September 2021 in between 10.00am to 4.00pm.

o-ordinator

HOD

Dr. Arun R. Patil
Principal CIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune-411 048.

Date :8th May 2021

All students are hereby inform that Assignment Submission Schedule is as follows:

Sem - II

Sr. No.	Subject	Assignment Questions
1	CS-121 Advanced 'C' Programming	1.What are types of pointers in 'C'? 2. Difference between malloc() and calloc(). 3. Explain any four string handling function. 4. Write a function to calculate the length of a string. 5. Define a Structure.Write the syntax for structure declaration.
2	CS-122 Relational Database Management Systems	Q.1 Write a stored function to count no. of records from emp table. Q.2 Explain cursor. Q.3 Explain trigger. Q.4 Explain ACID properties. Q.5 Explain transaction states.
3	MTC-121 Linear Algebra	1)Show that cosx,sin2x,cos2x are linearly independent for all x "∈" IR . 2) Let u1=(1,0,0),u2=(1,1,0),u3=(1,1,1).Determine whether {u1,u2,u3} is a basis of IR3. 3) Find the coordinate vector x=(2,5) with respect to basis b={(4,5),(6,7)} 4)Let A=[2 1 1:2 3 2:3 3 4] with eigenvalue 1.Find the basis for the corresponding eigenspace. 5)Find eigenvalues of A =[1 1 ;1 1]
4	MTC-122 Graph Theory	1) Determine whether the following Statement are true or false and justify your ans. i) There exists a 5 –regular graph on 9 vertices. ii) Degree sequence 5,3,2,2,1,1 is graphical. iii) Every complete bipartite graph is a complete graph. 2) State Hand Shaking Lemma &justify with proper example. 3) Prove that in any graph no. of vertices of odd degree is always even. 4) Draw following graphs: 1) K 5 2) K 3,4 3) 3 R 6 4) C7
5	ELC-121 I Instrumentation System	1.Explain Instrumentation System with the help of block diagram. 2. What is transducer and sensor? Explain working principle, give suitable examples. 3. Explain in brief temperature sensor LM35 with its specifications, applications. 4. Explain in brief LDR as an optical sensor. State some applications of optical sensor. 5. Explain with principle of working PIR Sensor. State its applications.
6	ELC-122 II Basics of Computer Organisation	1.What is a Flip-Flop.List different types of FF? 2. Draw logic diagram of RS-FF using NAND gates & explain it's working with truth table. 3. Draw logic diagram of 4-bit SIPO shift register & explain working in detail. 4. Draw circuit diagram for 3-bit asynchronous UP counter & explain working with timing diagram. 5. Differentiate between Synchronous & Asynchronous counters
7	CSST121 Methods of Applied Statistics	1) What are the limits of Karl Pearson's coefficient of corrrelation. Give interpretation in detailed. 2) For bivariate data n=5, ΣX=20, ΣX2=20, ΣY=20, ΣY2=90 ΣXY=75, Compute correlation coefficient and interpret the result. 3) Define coefficient of determination. 4) Write two regression equations.Write any four properties of regression coefficients. 5) Two lines of regresssion are X-4Y=5 and X-16Y=-64. Find the means of X and Y.
8	CSST122 Continuous Probability Distributions and Testing of Hypothesis	1) Define Continuous Uniform Distribution.State its mean and variance. 2) If X follows U (0, 10) Find mean and variance of X. 3) Define Exponential Distribution. State its mean and variance. 4) State lack of memory property of Exponential Distribution with mean Θ. 5) The lifetime of a microprocessor is exponentially distributed with mean 3000 hours. Find the probability that i} The microprocessor will fall within 300 hours. ii) The microprocessor will function more than 6000 hours.

ote :

. All students should make 200 pages book for assignments and keep with them for whole year.

. It is considered for internal assessment.

. Students should be responsible for submitting and signing the assignments.

.Submission date for all subjects- 17th May 2021

HOD

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma **Principal** llege of Arts,
Commerce & Science
Kondhwa(Bk), Pune 411 048

Date:02/01/2017

Sr.	Case study	Questions
1.	ER diagram	1)Draw ER-diagram for Car Insurance Company that has a set of customers.Each customer owns one or more cars. Each are associated with zero to any number of recorded accidents. 2)Draw ER-diagram for Order processing system where a person can give order for many items by specifying its quantity.
2.	Case Study 1	Consider the following entities and relationships. Owner(Licence_no ,name ,address ,phone) Car(car_no ,model ,colour) Owner and Car are related with one-to-many relationships. Create a RDB for the above and solve the following queries in SQL. 1) Find the name of owner of 'Zen' and 'Indica' cars. 2) List all the models of owner 'Mr.Shon' having colour 'blue' 3) To list the information of all cars in "Landon".
3.	Case Study 2	Consider the following Entities and Relationships. Machine(m_no ,m_name ,m_type ,m_cost) Part(p_no ,p_name ,p_desc) Machine and part are related with One-to-Many relationships. Create a RDB for the above and solve the following queries. 1) Increase the cost of machine by 5%. 2) Delete all machines having particulars "wheel". 3) List all the machines whose cost>1,00,000.

Note :

1.All the students should write the above case studies on pages and submit the hardcopy in college.
2. Mention Sr No and Name on Hardcopy.
3. Students should be responsible for non evaluation.
4.Submission date : 9th January to 13th January 2017 in between 10.00am to4.00pm.

Coordinator

HOD

principal
Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa (Bk.), Pune - 411 048.

1. Find name of all branches in the loan relation.

Query :- π branch_name (Loan)

Q Construct an E-R diagram for a car insurance company that has a set of cutomers. Each customer owns one or more cars. Each are associated with more cars. Each can be associated with zero to any number of recorded accidents.

$\Rightarrow$

Date:08/01/2018

Sr.	Case study	Questions
1.	ER diagram	1) A movie studio wishes to institute a database to manage their files of movies actors and directors. The following facts are relevant. • Each actor has appeared in many movies. • Each director has directed many movies. • Each movie has one director and one or more actors. • Each actor and director may have several addresses.
2.	Case Study 1	Consider the following Entities and Relationships. Customer(cust_no ,name ,address) Quotation(quot_no ,desc ,amt_quoted) Customers and Quotations are related with One-to-Many relationships. Create a RDB for the above and solve the following queries in SQL. 1) List all customers who are demanding for the quotation of "washing machine". 2) Delete all the customer with details with address 'London'. 3) To print customerwise list of quotation but only those quotations whose amt>5000.
3.	Case Study 2	Consider the following Entities and Relationships. Company(c_product ,c_name ,region ,state) Branches(b_product ,city) Company and Branches are related with one-to-many relationships. Create a RDB for the above and solve the following queries in SQL. 1) List all the cities having branch product 'H2SO4' and 'SO3' 2) List all the states whose branch product is 'Oleum'. 3) Delete all the company details of city 'New York'.

Note :

1.All the students should write the above case studies on pages and submit the hardcopy in college.
2. Mention Sr No and Name on Hardcopy.
3. Students should be responsible for non evaluation.
4.Submission date : 15ᵗʰJanuary to 21ᵗʰ January 2018 in between 10.00am to4.00pm.

Coordinator

HOD

Dr. Arun R. Patil
principal PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa (Bk.), Pune - 411 048,

Q. Consider the following Entities and Relationships.

Wholesaler (w_no, w_name, addr, city)
Product (p_no, p_name)
Wholesaler and product are related with
Many-to-Many relationships.

Create a RDB for above and solve the
following queries in SQL.

Ans:- Many-to-Many relationship allow us to
create new table. The RDB is as shown
below -

w_no	1	w_no		1 p_no	
w_name		p_no	M	p_name	
addr	m				
city					
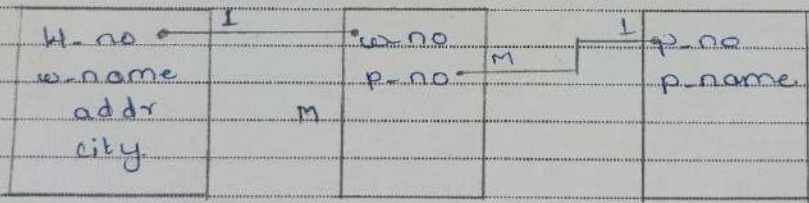
wholesaler   whole_prod   Product.

Query 1 : List all the wholesaler of product
"books".

select w_name, city
from wholesaler w, product p,
whole_prod r.

Query 3:- Insert a record in wholesaler relation.
→ INSERT INTO Wholesaler
   VALUES (111, "Alex", "123, abc Road", "London");

Query 4:- To point wholesaler wise product.
→ SELECT DISTINCT w.name, city, p_name
   FROM wholesaler w, Product p, whole_prod r
   WHERE w.w_no = r.w_no and p.p_no = r.p_no;

* Draw E-R diagram for order processing system where a person can give order for many items by specifying its quantity.

Date:2/01/2019

Sr.	Case study	Questions
1.	ER diagram	1) Assume you are to compose database requirements of a wholesale dealer for audio, video consumer equipment from different manufacturers. Customers are the various retail outlets (Retailers). Wholesalers extends credit to old customers (retailers). Draw E-R model. 2) Draw ER-diagram for 'Hospital Management System'.
2.	Case Study 1	Consider the following Entities and Relationships. Teacher(t_no ,t_name ,college_name ,dept) E_Taste(e_no ,test_name) Teacher and E_Test are related with Many-to-Many relationships. Create a RDB for the above and solve the following queries in SQL. 1) Give the name of teachers who have passed either "SET" or "NET". 2) Delete all the teachers details of 'physics' dept. 3) To list exam wise list of teachers who have passed the respective exams.
3.	Case Study 2	Consider the following Entities and Relationships. Country(con_code ,name ,capital) Population(pop_code ,population) Country and population are related with One-to-One relationships. Create a RDB for the above and solve the following queries in SQL. 1) Give the name and population of country whose capital is "Tokyo". 2) Give the name of all the countries whose population is greater than 50,00,000. 3) To print countrywise population.

Note :

1. All the students should write the above case studies on pages and submit the hardcopy in college.
2. Mention Sr No and Name on Hardcopy.
3. Students should be responsible for non evaluation.
4. Submission date : 7th January to 11th January 2019 in between 10.00am to 4.00pm.

Coordinator   HOD

BRACT'S

Vishwakarma college of Arts, Commerce and Science

Kondhwa (BK), Pune-411048

FYBSc(CS) Sem-I (2020-21)
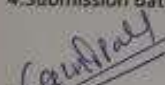
Case studies

Date: 04/01/2021

Sr.	Case study	Questions
1.	ER diagram	1) Draw ER-diagram for "Library Management system". 2) Draw ER-diagram for 'Railway Reservation System'. 3) Draw E-R diagram for 'Online Book Shopping'.
2.	Case Study 1	Consider the following Entities and Relationships. Wholesaler(w_no ,w_name ,addr ,city) Product(p_no ,p_name) Wholesaler and Product are related with Many-to-Many relationships. 1) List all the wholesaler of product "books". 2) Count the no of wholesaler in the city "London". 3) Insert a record in wholesaler relation.
3.	Case Study 2	Consider the following Entities and Relationships. Politician(p_no ,p_name ,p_desc ,constituency) Party(partycode ,partyname) Politician and party are related with Many-to-One relationships. Create a RDB for the above and solve the following queries in SQL. 1) Count the no. of polititians having political description as a 'member of parliament'. 2) List all the polititians of the party 'BJP' 3) List party wise list of polititians of 'London' constituency.

Note :

1. All the students should write the above case studies on pages and submit the hardcopy in college.
2. Mention Sr No and Name on Hardcopy.
3. Students should be responsible for non evaluation.
4. Submission date : 12th January to 15th January 2021 in between 10.00am to 4.00pm.

Coordinator

HOD

Dr. Arun R. Patil
principal PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa (BK), Pune - 411 0

Students performing Street play on the occasion of "HINDI DIWAS:

विश्वकर्मा कला, वाणिज्य व विज्ञान महाविद्यालय, कोंढवा ,पुणे.

==

अहवाल

विश्व हिंदी दिवस समारोह पर आयोजित

(नुक्कड़ नाटक)

दि. १० जनवरी , २०२०.

स्थल - व्ही. सी. ए.सी. एस. प्रवेशद्वार (लॉबी)

विश्वकर्मा कला , वाणिज्य और विज्ञान महाविद्यालय में विश्व हिंदी दिवस समारोह मनाया गया। इसी के साथ-साथ इस समारोह पर नुक्कड़ नाटक का भी आयोजन किया गया। यह नुक्कड़ नाटक देखने के लिए महाविद्यालय के सभी छात्र एवं प्राध्यापक वर्ग ने अपनी उपस्थिति दर्शायी।

सदस्य - प्रा. सुनिता पठारे

उद्दिष्टृये -

- राष्ट्रभाषा हिंदी के प्रति सम्मान बढ़ाना।

- महाविद्यालय के सभी छात्रों में हिंदी भाषा के प्रति जागरूकता पैदा करना।

- हिंदी भाषा का दर्जा अंतर्राष्ट्रीय स्तर पर पहुँचाना।

- छात्रों छुपित अभिनय को विकसित करना।एवं समाज में व्याप्त रूढ़ि, प्रथा, परंपराओं का समाज पर होने वाले दुष्परिणामों को दर्शाना।

VCACS विश्वकर्मा कला, वाणिज्य और विज्ञान महाविद्यालय,

कोंढवा पुणे.

सूचना

दि.०३/०१/२०२०
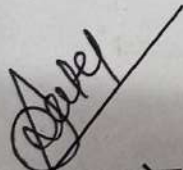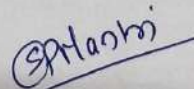
सभी शिक्षक, शिक्षकेतर कर्मचारी एवं छात्र - छात्राओं को सूचित किया जाता है कि हमारे महाविद्यालय में **१० जनवरी, २०२०** को ' **विश्व हिंदी दिवस** समारोह पर " **नुक्कड़ नाटक** " आयोजित किया जा रहा हैं। यह नाटक देखने के लिए आप सब सादर आमंत्रित हैं।

स्थल - व्ही. सी. ए. सी. एस. प्रवेशद्वार (लॉबी)

समय - सुबह १०:३० बजे

प्रा. अंजुम पटेल
(समन्वयक)

प्रा. डॉ. शीतल मंत्री
(विभागाध्यक्षा)

प्रा. डॉ. अरुण पाटील
(प्रधानाचार्य)

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune - 411 048.

- नुक्कड़ नाटक को देखते समय महाविद्यालय के छात्र-छात्राएँ एवं प्राध्यापक वर्ग -

- निष्कर्ष – उपरोक्त विश्व हिंदी दिवस समारोह में आयोजित नुक्कड़ नाटक देखने के बाद महाविद्यालय के सभी छात्र प्रोत्साहित थे, एवं सभी छात्रों ने आगे चलकर हर साल विश्व हिंदी दिवस मनाने का निश्चय किया।

प्रा. सुनिता पठारे   डॉ. शीतल मंत्री   प्रा. अंजुम पटेल   डॉ. अरुण पाटील

(विभागाध्यक्षा)   (समन्वयक)   (प्रधानाचार्य)

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune - 411 048.

विश्वकर्मा कला वाणिज्य और विज्ञान महाविद्यालय कोंढवा, पुणे में आज विश्व हिंदी दिवस बड़े धूम_धाम से मनाया गया। इस महाविद्यालय में विश्व हिंदी दिवस के तौर पर विश्व हिंदी दिवस समारोह का आयोजन किया गया। इसी के साथ-साथ इस समारोह पर नुक्कड़ नाटक का भी आयोजन किया गया। इस नुक्कड़ नाटक में वरिष्ठ एवं कनिष्ठ महाविद्यालय की छत्राओं ने सहभाग लिया।

समारोह में महाविद्यालय के प्रधानाचार्य डॉ. आर. आर. पाटिल, प्रा. अंजुम पटेल, प्रा. डॉ. शीतल मंत्री, प्रा. सुधीर चिटनीस इन्होंने अपनी उपस्थिति दर्शायी, और साथ ही साथ महाविद्यालय के सभी छात्र एवं प्राध्यापक वर्ग उपस्थित थे।

महाविद्यालय के प्रधानाचार्य डॉ. आर. आर. पाटिल सर जी ने विश्व हिंदी दिवस की बधाई देते हुए, नुक्कड़ नाटक में सम्मिलित सभी छत्राओं की प्रशंसा की। यह नाटक देखकर महाविद्यालय के सभी छात्र-छात्राएँ बहुत प्रोत्साहित हुए।

छायाचित्रे _

• विश्व हिंदी दिवस समारोह पर आयोजित नुक्कड़ नाटक में अभिनय करते समय महाविद्यालय की वरिष्ठ एवं कनिष्ठ महाविद्यालय की छात्राएँ -
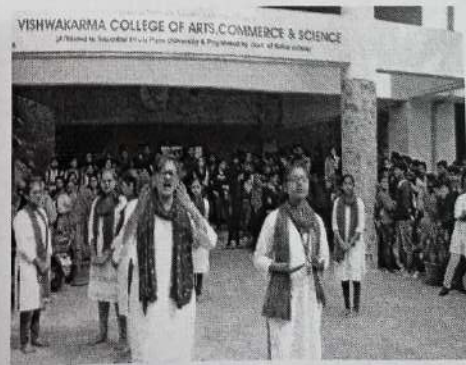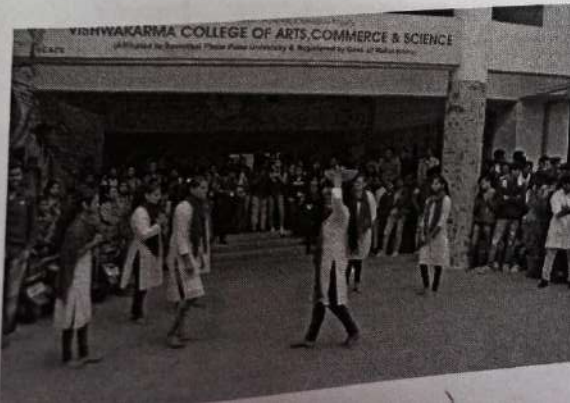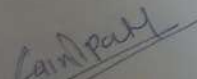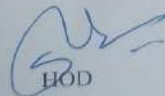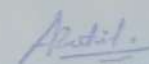
NOTICE
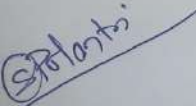
Date:11/04/2022
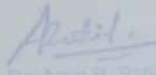
All the students of Third year of Bachelor of Business Administration are being informed that 'Group Discussion' activity is going to be held on Wednesday,13th April 2022.

It is compulsory for all to attend the same.

- Date: 13/04/2022.
- Venue: 305.
- Time: 11:00 am – 1:00 pm.

Coordinator

HOD

Principal

Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune - 411 048.

BRACT'S

Vishwakarma college of Arts, Commerce and Science

Kondhwa (Bk), Pune-411048.

Department of commerce

[Academic year 2017-18]

NOTICE

Date:11/08/2017

All the students of Second year of Bachelor of Computer Applications are being informed that 'Group Discussion' activity is going to be held on Monday,14th August 2017.

It is compulsory for all to attend the same.

- Date: 14/08/2017.
- Venue: 305.
- Time: 9:00 am – 11:00 am.

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa(Bk.), Pune - 411 048.

Coordinator   HOD   Principal

NOTICE

Date:03/09/2018

All the students of First year of Bachelor of Commerce are being informed that 'Group Discussion' activity is going to be held on Thursday,6th September 2018.

It is compulsory for all to attend the same.

- Date: 06/09/2018.
- Venue: 105.
- Time: 10:00 am – 12:00 noon.

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa(Bk.), Pune - 411 048.
Principal

P.S.Jadhav
Coordinator

HOD

BRACT'S

Vishwakarma college of Arts, Commerce and Science

Kondhwa (Bk), Pune-411048.

Department of commerce

[Academic year 2018-19]

NOTICE

Date:03/09/2018

All the students of First year of Bachelor of Commerce are being informed that 'Group Discussion' activity is going to be held on Thursday,6th September 2018.

It is compulsory for all to attend the same.

- Date: 06/09/2018.
- Venue: 105.
- Time: 10:00 am – 12:00 noon.

P.S.Jadhav

Coordinator

HOD

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts
Commerce & Science
Kondhwa(Bk.) Pune - 411 048.
Principal

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Somnath Khatal, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCOM project from "KOTAK MAHINDRA BANK", Pune

Sr.No	Project/Programme Title	Programme Specialization	No.of Students enrolled for Field Projects/Internships
1	BBA(Bachelor of Business Administration)	**HR/MARKETING/FINANCE-** Industrial Visit at Hindustan Coca Cola Beverages,Parle G khopoli	69
2	BBA(IB)	**International Business-** Industrial Visit at Hindustan Coca Cola Beverages,Parle G khopoli	23
3	MSc	Computer Science	42
4	B.Com	Cost and Works Accounting	68
5	B.Com	Business Administration	71

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr. Ankita Jadhav, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "Infosys", Pune

Infosys®

f,S`mÈAnk?Ï

HRD/2T/12216477/18-19

Ms. Ankita Indrasen Jadhav
Candidate ID: 12216477   May 23, 2018
Flat No-21, Building No-8
Salisbury Park,Gultekdi Pune
Pune – 411037
Maharashtra
India
Ph: (91) 95525 07372

Dear Ankita,

Welcome to Infosys!

It is a time of transformation for us, under the direction of new leadership. In our renewed journey, learnability, our values and the deeply-held, trusted relationships with our clients continue to be the cornerstones of our organization.

We look forward to working with you and wish you success in your career with us.

Warm regards,

RICHARD LOBO
EVP – Head HR

INFOSYS LIMITED CIN: L85110KA1981PLC013115

44, Infosys Avenue

Electronics City, Hosur Road Bangalore 560 100, India

T 91 80 2852 02F 91 80 2852 036281

askus@infosys.com   www.infosys.com

Sr.No	Project/Programme Title	Programme Specialization	No.of Students enrolled for Field Projects/Internships
1	BBA	**HR/MARKETING/FINANCE -** Industrial Visit at 1.Aditya Engg. Pvt.Ltd (Hadapsar) 2.Cottonking Manufacture (Baramati) 3. Krushi Vigyan Kendra, (Baramati.)	76
2	BBA	**HR/MARKETING/FINANCE -** Industrial Visit at 1.The GEMS Gallery(Bangkok,Thailand) 2.SIAM Steel Syndicate PLC(Bangkok,Thailand)	9
3	MSc	Computer Science	59
4	B.Com	Cost and Works Accounting	88
5	B.Com	Business Administration	96
6	BBA	**International Business -** Industrial Visit at 1.Aditya Engg. Pvt.Ltd (Hadapsar) 2.Cottonking Manufacture (Baramati) 3. Krushi Vigyan Kendra, (Baramati.)	82
7	BBA	**International Business -** Industrial Visit at 1.The GEMS Gallery(Bangkok,Thailand) 2.SIAM Steel Syndicate PLC(Bangkok,Thailand)	11

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr. Hamza Rampurawala, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "ClearPoint", Pune

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Miss. Afreen Jamadar, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "UBISOFT", Pune

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr. Neeraj Deshpande, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "CAPGEMINI", Pune

Capgemini

Capgemini Technology Services India Limited
(Formerly known as IGATE Global Solutions Limited)
Plot No. 14, Rajiv Gandhi Infotech Park, MIDC-SEZ,
Hinjawadi Phase-III, Pune-411057, India.
Tel: +91 20 6699 2000 | Fax: +91 20 6699 5050
www.capgemini.com/in-en

EMPLOYMENT OFFER LETTER

Capgemini Ref: 2220611/304002

05/22/2019,

Neeraj Atul Deshpande
B1/2, Sai nagar Apt. Sukhsagar Nagar,
Lane -3, Pune

Confidential

Dear Neeraj Atul

Pursuant to our discussions, we are pleased to offer you employment opportunity, on probation basis, with **Capgemini Technology Services India Limited** ('Capgemini' or 'Company') starting from **05/23/2019** (or such other date as may be communicated to you by the Company), as per details given below.

A) Your current designation will be **Software Associate/A3**

B) You will be required to work at the Company's offices in location **Pune**

C) Your all-inclusive annual target compensation (on a cost to company basis) will be INR 250,011.00 (Rupees Two Lakh Fifty Thousand and Eleven only) which would comprise your salary, applicable statutory benefits, bonus, if any, and/or any incentives as applicable to you. Your compensation shall be paid on a monthly basis, in arrears. The Company shall deduct tax at source at the time of making payment.

The breakup of your all-inclusive annual target compensation is as follows:

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Miss. Sharon Samuel Mackwan, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "INFOSYS", Pune

Infosys
Navigate your next.

HRD/2T/13021609/19-20

Ms. Sharon Samuel Mackwan
Candidate ID: 13021609
Hno 199 , Sholpur Bazaar
Camp,Pune-411001
Pune - 411001
Maharashtra
India
Ph: (91) 89752 47632

May 07, 2019

Dear Sharon,

Welcome to Infosys!

Today, the corporate landscape is dynamic and the world ahead is full of possibilities! None of the amazing things we do at Infosys would be possible without an equally amazing culture, the environment where ideas can flourish and where you are empowered to move forward as far as your ideas will take you.

At Infosys, we assure that your career will never stand still, we will inspire you to build what's next and we will navigate further, together. Our journey of learnability, values and trusted relationships with our clients continue to be the cornerstones of our organisation and these values are upheld only because of our people.

We look forward to working with you and wish you success in your career with us.

Warm regards,

RICHARD LOBO
EVP and Head Human Resources – Infosys Limited

INFOSYS LIMITED
CIN: L85110KA1981PLC013115
44, Infosys Avenue
Electronics City, Hosur Road
Bangalore 560 100, India
T 91 80 2852 0261
F 91 80 2852 0362
askus@infosys.com
www.infosys.com

Digitally signed by RICHARD LOBO
Date: 2019.05.07 18:40:14 +05:30
Reason: Offer Letter
Location: Bangalore

Company Confidential - This communication is confidential between you and Infosys Limited.
Page 1 of 5

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Nisar Shaikh, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year project from "EARNWEALTH", Pune

EarnWealth Solutions Pvt. Ltd.

409, 4ᵗʰ Floor, C - Wing, KPCT Mall,
Wanwadi, Pune, Maharashtra 411040 earnwealth.in

EARNWEALTH
Kamate Raho

Date: *5th Jan 2019*

Name: *Nisar Shaikh*

Address: *12/A, Sayyed Nagar, Nr Kabrastan Pune City, Hadapsar - 411028*

Dear *Nisar,*

We are pleased to offer you the position of *Asst. Software Engineer, Grade I,* with EarnWealth Solutions Pvt. Ltd.

Initially you will be based out of our **Head Office at Pune**. Your joining date is *5st Jan 2019.*

Please note that your official joining would be from the date on which you would submit all the joining documents in original to EarnWealth.

Your **CTC** would be *INR 300000 Per Annum*. You would also be entitled for a variable pay as per EarnWealth policies announced from time to time.

Please note that this offer is subject to, our receiving satisfactory feedback from the references provided by you as well as your acceptance of the terms & conditions of employment of EarnWealth. This offer may be withdrawn/ modified if any information or representation furnished by you is found to be incorrect or if any material information is detected by us to have been suppressed by you or any action on your part is found to be in contravention to the terms and conditions of employment or the EarnWealth's Code of Conduct. This letter is not to be construed as your letter of appointment, which will be issued separately subject to the conditions mentioned above.

Please accept the offer and send us a copy of your resignation acceptance.

We look forward to you joining EarnWealth and hope that you have a long and successful career with us.
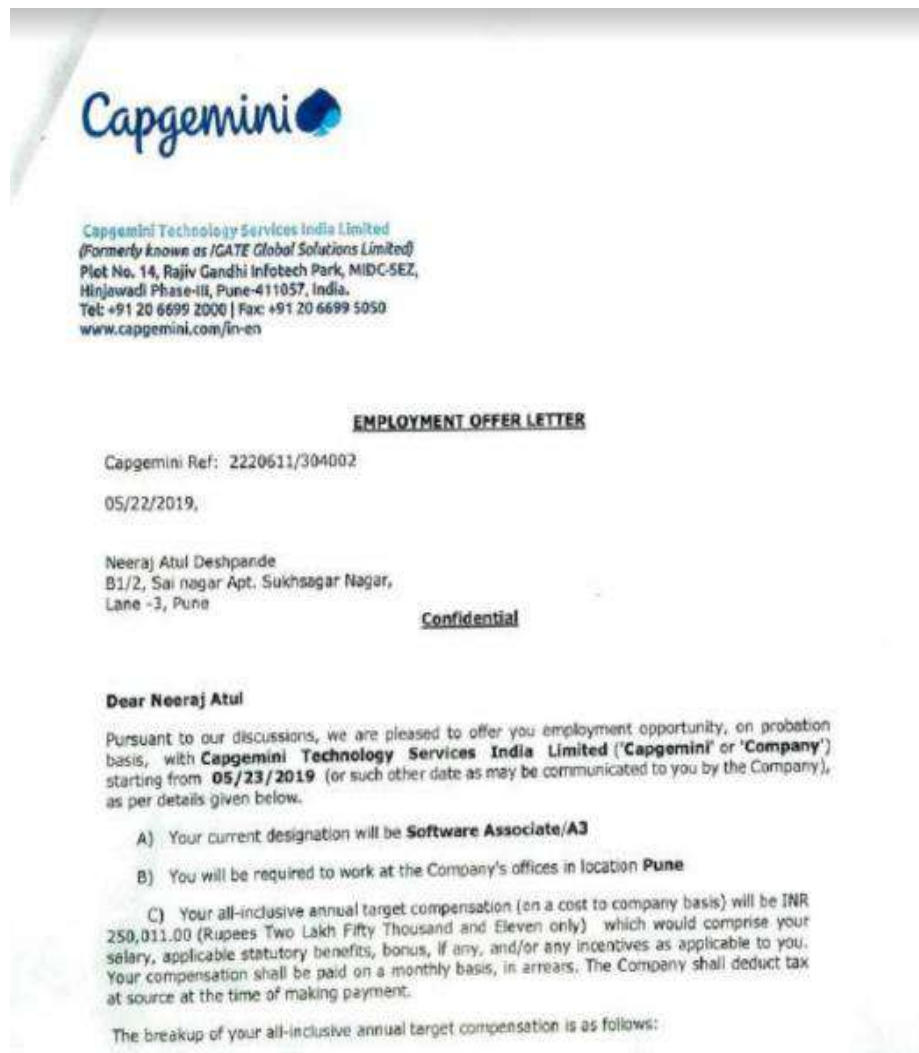
Yours sincerely,

Ashwini Sontakke

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Miss. Meghna Agarwal, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "TATA", Pune

TATA

Private & Confidential

July 02, 2019
Meghna Agarwal

Maharashtra-

Re: Letter of Appointment

Dear Meghna Agarwal

Congratulations! We are delighted to offer you employment with Tata Technologies as a Junior Developer with Annual Total Cost to Company of INR 483,898 (Rupees Four Lakh Eighty Three Thousand Eight Hundred Ninety Eight only). Our aim is to provide you with a challenging and fulfilling experience to deliver your full potential and achieve your personal goals.

Please join us on August 05, 2019 @ 0800 Hrs and report to:

Onboarding Team or Rohan E Gavade - +919552503610

Tata Technologies Ltd.
25, Rajiv Gandhi IT Park
Hinjewadi Phase - 1
Pune - 411057

Please go through the following enclosed documents comprehensively.

1. Terms and Conditions of Employment   - Annexure A
2. Compensation Break-up   - Annexure B
3. Documents Checklist   - Annexure C
4. Summary of Benefits   - Annexure D

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr. Prasad Sopan Jadhav, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "DREAM DESIGNERS", Pune.

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Piyush Ankush Jagtap, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "SSP TECHNOLOGY", Pune.

Chaitanya Park,Sector No.29,
DV Patil College Road,
Near Dharmaraj Chowk,Akurdi.
Contact:9689389698
www.ssptechnosys.com

SSP TECHNOLOGY
make it simple and unique

REF: INT-SSP1801-2020   Date: 01/12/2020

Dear PIYUSH ANKUSH JAGTAP,

This letter is with reference to your Internship application for the post of **"Java Development Intern"** We are happy to inform you that you have been selected for the applied post and are offering an internship position which will be for a minimum period of **Six months**. After further review of your performance, you will be given a probation period.

College Name: Vishwakarma College of Arts, Commerce and Science, Pune.

University Name- Savitribai Phule Pune University, Pune.

AUTHORIZED PERSON SIGN

SSP TECHNOLOGY PUNE

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Sanket Kairamkonda, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "SSP TECHNOLOGY", Pune

SSP TECHNOLOGY

REF: INT-SSP1804-2020   Date: 01/12/2020

Dear SANKET KAIRAMKONDA,

This letter is with reference to your Internship application for the post of **"Java Development Intern"** We are happy to inform you that you have been selected for the applied post and are offering an internship position which will be for a minimum period of **Six months**. After further review of your performance, you will be given a probation period.

College Name: Vishwakarma College of Arts, Commerce and Science, Pune.
University Name- Savitribai Phule Pune University, Pune.

AUTHORIZED PERSON SIGN
SSP TECHNOLOGY PUNE

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Ajinkya Rajendra Ghag,, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "CRAVITA TECHNOLOGIES", Pune

CRAVITA TECHNOLOGIES
EXCELLING WITH TECHNOLOGY

Cravita Technologies India Private Limited
B-1, 2nd Floor, Abhinav Apartment, Beside Congress Bhavan,
Shivajinagar, Pune – 411005 | Contact No: +91 - 709867422
Web: www.cravitaindia.com

May 30, 2021

To Whomsoever It May Concern

This is to certify that **Mr. Ajinkya Rajendra Ghag,** a student of Vishwakarma College of Arts, Commerce and Science (VCACS), Pune was assigned a Project titled ""**Simple Key Reality – Real Estate Business**" from 27 December 2020 to 26 May 2021 and has successfully completed his Project with us.

He was involved in Software Development and Analysis as Team Member. During the period of project work with us, we found him sincere, obedient and hard working.

We wish him all the best in his future endeavors.

For Cravita Technologies India Private Limited

Authorized Signatory

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Ms. Ankita Indrasen Jadhav, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "INFOSYS", Pune

Infosys

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HRD/2T/12216477/18-19

Ms. Ankita Indrasen Jadhav
Candidate ID: 12216477
Flat No-21, Building No-8
Salisbury Park,Gultekdi Pune
Pune - 411037
Maharashtra
India
Ph: (91) 95525 07372

May 23, 2018

Dear Ankita,

Welcome to Infosys!

It is a time of transformation for us, under the direction of new leadership. In our renewed journey, learnability, our values and the deeply-held, trusted relationships with our clients continue to be the cornerstones of our organization.

We look forward to working with you and wish you success in your career with us.

Warm regards,

RICHARD LOBO
EVP - Head HR

INFOSYS LIMITED CIN: L85110KA1981PLC013115

44, Infosys Avenue

T 91 80 2852 02F 91 80 2852 036261

Electronics City, Hosur Road Bangalore 560 100, India

askus@infosys.com   www.infosys.com

Infosys

HRD/2T/12216477/18-19

Ms. Ankita Indrasen Jadhav
Candidate ID: 12216477
Flat No-21, Building No-8
Salisbury Park,Gultekdi Pune
Pune - 411037
Maharashtra
India
Ph: (91) 95525 07372

May 23, 2018

Dear Ankita,

Congratulations! We are delighted to make you an offer **as Testing Executive - Trainee** and your role is **Operations Executive** in the **IT Operations** Career Stream.

Here are the terms and conditions of our offer:

Joining date

Your scheduled date of employment with us will be **June 25, 2018.**

The training program will consist of classroom training and on-the-job training. The duration of the classroom training will be based on the business requirement. Your continued employment with the Company is subject to your meeting the qualifying criteria till the end of the training and Successful completion of the training

INFOSYS LIMITED
CIN: L85110KA1981PLC013115

44, Infosys Avenue
Electronics City, Hosur Road
Bangalore 560 100, India
T 91 80 2852 0261 F
91 80 2852 0362

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr. Akshay Shelke, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "DREAM DESIGNERS", Pune.

Dream Designers

(91)9823430587/(91)7263963265
www.ddsio.com /info@ddsio.com

Internship Completion Letter

"DDSIO Winter Internship 2020"

We are glad to inform that Mr Akshay Shelke, from Vishwakarma college of arts commerce and science has successfully completed DDSIO Winter Internship from 8th December 2020 to 6th June 2021.

During the internship Akshay primarily fulfilled responsibilities of developing website frontends. Along with this, he also completed the course on full stack development with some tasks and one industry level project.

We found Akshay extremely inquisitive and hard-working in the course of 6 months. He demonstrated enthusiasm and eagerness in all the activities. Akshay showed sincerity towards the assigned tasks and put in the required efforts to gain an in-depth understanding of the web development.

Akshay association with us has been very fruitful and we wish him all the best for future endeavours.

For Dream Designers

Harshwardhan Sonawane,
Co-Founder.

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

MS Apurva Mahesh Somani, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "ORIANGE", Pune.

ORIANGE

Kirti Chambers, 1st and 2nd Floor, Near Mandade Hospital, Barshi Road, Latur-413512
Website: http://oriange.in/   Contact: +918275480300 / +912382220300

DATE: 25 May 2021

INTERNSHIP COMPLETION CERTIFICATE

We are glad to inform you that **Ms. Apurva Mahesh Somani** a student of college VISHWAKARMA INSTITUTE OF INFORMATION AND TECHNOLOGY, PUNE has successfully completed internship from 15 Dec 2020 To 25 May 2021 at Oriange Latur

We found her extremely Inquisitive and hard working. She was very much interested to learn new skills and also willing to put her best efforts and get into the depth of the subject to understand it better

Her association with us was very fruitful and we wish her all the best in her future endeavors.

Sincerely,

Oriange – VACube IT Services Pvt. Ltd.

Varsha Swami(HR)

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Miss. Ayesha Bagwan, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "Web Link Services Pvt.Ltd", Pune.

Web Link Services Pvt. Ltd.

Offer Letter

4 September, 2020

Miss. Ayesha Bagwan,

Pune

Dear Miss. Ayesha Bagwan,

"Congratulations" We are excited to appoint you as Sr. Web Developer.

Your Joining Date would be 21st Sep, 2020 with us. No Extend on this date.

Terms and condition of Employment Agreement:

1. Compensation
The compensation per month shall be Rs. 15000/- p.m. which includes agreed monetary values of perquisites.

As discussed if company will found your work satisfactory with client appreciation than company will increase your salary by 2000 Rs after 3 or 4 Month. Now it's depend on you, how you will work to give 100% Satisfaction to us.

Income tax where applicable will be deducted at source from your monthly compensation as per the government rules and regulations. You are required to provide statement of income till date for this financial year, as well as proof of tax saving for the current financial year. Please note that the company will not be liable for any misrepresentation in your declaration of your income prior to joining the company. Your Salary Will Credit in your account on 8th of Every Month

2. Probationary period
First 7 Seven days will be observation period of your Job , if these 7 days will satisfactory than you will continue with us, else not . For these 7 observation period company will not pay you any amount.
After observation period you will be on probation for 6 months from the date of joining, on the completion of which your services will deemed to be
confirmed. If your probation period is extended under any circumstances, the same will be communicated to you in writing.

3. Leave
You will be entitled to Festivals & National Holidays and leaves as per the leave policy of the company. For the purposes of the leave the year shall run from January to December. All leaves should be applied for in advance and should be approved by the manager. The company reserves the right to grant the leave applied, depending on the contingency of work.
As per Company Policy you will get 1 Paid Leave/Month. above this leave treated as LEAVE WITHOUT PAY

4. Transfer
During the course of employment in Company, as per exigencies of work you shall be liable to be transferred at the discretion of the management from one work, department, section or job to another, in which case your designation could also be suitably changed. Your services can also be transferred to any other offices in India in the larger interest of the company, at the sole discretion of the management. In such situations your terms of appointment shall remain unchanged.

5. Medical examination
The company shall have the right to require you to be examined by a doctor of the company's choice, at the company expense, and you are required to cooperate fully.

6. Ownership of work
The ownership of any rights to any works by the employee during the terms of employment shall lie with the Company.

7. Notice Period
If you wish to resign you are required to serve at least 60 days notice or payment in lieu off.
Please note if you leave the services of the organization without submitting the resignation & notice period. you shall be treated absenting and loose the lieu on the job; in such a case the employer shall not be liable to issue you the experience Certificate and any other due.

8. Termination
During probation period, your services can be terminated, without notice and assigning any reason, if your services are not found satisfactory, at the discretion of the management. After confirmation of your employment, notice of termination of employment will be one(1) month notice in writing or one (1) month's salary in lieu of notice from either party.
Notwithstanding the aforementioned, the Company shall be entitled to terminate your employment without notice and compensation in any of the following events:
i) if you are in the opinion of the Company, guilty of dishonesty, misconduct or negligence in the performance of your duties
ii) if you have been found to have committed a serious breach or continual material breach of any of your duties or obligations;
iii) if you are found to have made illegal monetary profit or received any gratuities or other rewards, in cash or in kind, out of any of the Company's affairs or any of its subsidiaries or related companies;
You would also be liable to be removed from the services at any time without any notice and compensation, in case, if any information furnished by you in connection with the above appointment is found incorrect at any stage or correct information is found suppressed.

9. Rules, Regulation and Confidentiality
You will not, without the previous written consent of the Company become interested or engaged directly or indirectly, in any trade, business and occupation. You will not (except in the normal course of the Company's business) publish any article or statement, deliver any lecture or broadcast or make any communication to the press (including magazine publication) relating to the Company service's or to any matter with which the company may be concerned, unless you have obtained permission from the company.
You will not own, manage, operate, control, participate in, or be connected in any manner with the ownership, control, management or operation as an individual or as partner, joint venture, director, shareholder of a company or entity, of any business which directly competes with the present business of the company or such other business activity in which the company may substantially engage during the term of the services. You must not directly or indirectly either during employment or for a period of 12 months after separation thereof, solicit, or try to entice away from the company any person or business at any time in 12 months before separation that you may have dealt with or was a potential client of the company
During the course of your employment here with us, you will frequently have access to certain vital business information, trade secrets proprietary information, customer related information that are confidential in nature. It is expressly understood and clear that you shall not divulge or part with any such information to anyone other than those dealing with such matters in the company nor will you reveal it to anyone even after your leaving the services of the company.
    Office timing is 9:30 AM To 6 PM , If you fail to join office till 9:40AM than you will mark HALF DAY for same day.

10. Code of Conduct:
During the course of your employment with the Company, you shall be required, to abide by the TRAI's guidelines on NDNC. It shall be noted that during the term of your employment with the Company, under any circumstances you will send sms or make calls only to non-NDNC numbers. Violation of guidelines will be treated as a breach of code of conduct and without prejudice strict action will be taken by the company.

11. Dispute Resolution
In case of any dispute or difference in respect of interpretation of the terms & conditions of this agreement, both the parties shall resolve the same amicably through discussions by the duly appointed representatives. However, any dispute having not resolved shall be referred to the sole arbitration by a person duly nominated by the company as an arbitrator, whose decision shall be final and binding on both the parties. The arbitration shall be at Delhi and proceedings shall be in English.

12. Amendments
The company reserves all rights to change any rules, regulations as it deems fit from time to time and you will be governed by the rules which are in force and as may be added, amended or introduced.
We take pleasure in welcoming you to our company and hope will find individual and professional satisfaction in your association with us.
If you find that the terms are favorable, please indicate your acceptance within seven (7) days from the date of this letter. This offer will automatically lapse and can no longer be accepted if we do not hear from you by the stipulated date.
I have read and understood and hereby accept the terms and conditions of my appointment with the company

Acceptance Signed: _____   Name: _____

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Bharat Chowdhary, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "Digital Earth Technologies LLP", Pune.

Dec 15, 2020

Mr. Bharat Chowdhary.
Kondhwa Khurd, Pune,
Maharashtra – 411048.

Subject : Internship Offer

Dear Bharat Chowdhary,

On behalf of Digital Earth Technologies LLP, I am excited to extend an offer to you for an internship position within our software department. This position is located in Pune, Maharashtra. The position is for the role of a Web Developer Intern.

This position is scheduled to begin Jan 01, 2021 and will be a six-month internship opportunity ending on Jun 30, 2021. The schedule for this position is Monday-Saturday from 10 a.m. to 7 p.m. This position will be unpaid. As a temporary employee in the role of an intern, you will not be eligible for any company-sponsored benefits. In this role, you will report directly to Mr. Vihar Mehta. This offer is contingent upon the successful completion of a MCS/MCA/ME. Please be sure to bring a photo ID, address proof and your bank account information with you on your first day to complete your profile.

During your temporary employment with Digital Earth Technologies LLP, you may have access to trade secrets and confidential or proprietary business information belonging to the company. By accepting this offer, you acknowledge that this information must remain confidential and agree to refrain from using it for your own purposes or disclosing it to anyone outside of Digital Earth Technologies LLP. Also, you agree that upon completion of your internship, you will promptly return any company-issued property and equipment along with information and documents belonging to the company. By accepting this offer, you acknowledge that you understand participation in this program is not an offer of employment, and successful completion of the program does not entitle you to an employment offer from Digital Earth Technologies LLP. The resignation will neither be accepted nor entertained in the midst of any onsite/offshore Projects/Assignments.

This offer letter represents the full extent of the internship offer and supersedes any prior conversations about the position. Changes to this agreement may only be made in writing. If you have any questions about this offer please contact Mr. Vihar Mehta in our recruiting department at +91 98343 02425. Please review this letter in full, and sign and return it via email to hr@digitalearth.in to confirm your acceptance of the position no later than close of business on Dec 20, 2021. We look forward to having you begin your accounting career at Digital Earth Technologies LLP and wish you a successful internship. Welcome to our team!

Sincerely,

Mr. Vihar Mehta

Recruiter

I, Bharat Chowdhary, accepted the above offer and will begin the internship position on Jan 01, 2021.

_____ / _____

Signature   Date

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Dhanraj, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "TECHNO WEB", Pune

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Shrikant Dattatraya Shinde, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "EMBIOT", Pune

EMBIOT TECHNOLOGIES PVT LTD
281/5, 20ᵗʰ main, Marenahalli main road
Karnataka, Bengaluru – 560040
Phone: +91 7019609283
Email id: contact@embiotechnologies.com
Website: www.embiottechnologies.com

DATE: November/15/2020

OFFER LETTER

Mr. Shrikant Dattatraya Shinde

USN: 2161901955

Vishwakarma College of Arts, Commerce and Science, Pune

Dear Mr. **Shrikant Dattatraya Shinde,**

Embiot Technologies Pvt Ltd is pleased to offer you the position of Web developer. Your skills and knowledge can be well utilized in our 6 month internship offering program.

As we discussed, your starting date will be Dec 21st of 2020.

As your associating with Embiot team as a web developer, your roles and responsibility will be guided and monitored by HR person.

If you choose to accept this job offer, please sign copy of this letter and return it to me at your earliest convenience.

We look forward to welcoming you to the Embiot team.

Please let me know if you have any questions or I can provide any additional information.

Sincerely,

Panduranga NM

Director, Human Resources

Embiot Technologies Pvt Ltd

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Ms.Priyanka Shinde, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "WEBHUB TECHNOLOGY", Pune

WEBHUB TECHNOLOGY
Soft Solutions for the Hard Problems

Office Address: 05th floor, S. M. Tower, Above Jijamata bank, Karvenagar, Pune-411052
E-mail: info@webub.co.in   Website: www.webub.co.in

REF: INT-webhub779-2020   **Date:** 28/12/2020

Dear Priyanka Shinde,

With reference to your application and subsequent interview with us, we are pleased to appoint you as **Java-Intern** with WebHub Technology Pune. We take this opportunity to welcome you to WebHub Technology Pune. We value your abilities and believe you will find our work environment to be challenging and fulfilling.

College Name: Vishwakarma college of Arts Commerce and Science.

University Name: Savitribai Phule Pune University, Pune.

YOURS SINCERELY,

FOR WEBHUB TECHNOLOGY PUNE.

HUMAN RESOURCE MANAGER

www.webhub.co.in

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr. Atharv Praveen Subhekar, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "ROCKSTAR INTERACTIVE INDIA LLP", Pune.

02 Nov 2020

Atharv Praveen Subhekar
A- 305, Archana Kohinoor Glory,
NIBM Annexe, Mohammedwadi, Pune - 411048

Dear Atharv,

Subject: Conditional Offer for Employment

Rockstar Interactive India LLP ("**Rockstar India**") is pleased to offer you an opportunity for full-time employment in the position of Game Tester on a probationary basis, subject to successful completion of your background checks. You shall report to the QA Supervisor, who is currently Karthik Shetty, and are required to follow directions given by the person(s) occupying that position or as delegated.

Your total all-inclusive gross pay will be 320,000 INR, which shall include your basic salary and various allowances that may be claimed in compliance with and subject to limits under, the applicable tax laws and Rockstar India's policies and practices. All payments by Rockstar India shall be subject to statutory deductions and contributions as applicable from time to time. Any provident fund and/or pension fund contribution that Rockstar India shall be required to make on your behalf shall be deducted from your salary.

The terms and conditions of your employment with Rockstar India are set out within the **Annexure** to this letter.

Please note that this offer for employment is contingent upon (1) successful completion by Rockstar India of your background checks and; (2) your full and complete disclosure to Rockstar India of any and all agreements (non-competition, non-solicitation, employment, confidentiality or otherwise) with any prior employer, clients, principals, partners or others which in any way may limit you either contractually or otherwise from engaging in any business activities required or contemplated by Rockstar India in this offer for employment. Rockstar India reserves the right to withdraw this offer or terminate your employment without any obligation whatsoever in the event that it receives any negative background check results or determines that any contractual or other obligation may limit your ability to engage in business activities for Rockstar India.

If you wish to accept our offer terms and conditions, please sign and return this letter and **Annexure** within 10 days to Rockstar India. This offer shall automatically lapse unless you confirm your acceptance of it and return a copy within the prescribed time. On your acceptance of this offer for employment and subject to successful completion of your background checks by Rockstar India, you will be engaged on a full time basis from 01 December 2020, or on a later date to be communicated to you by Rockstar India.

Should you accept this offer, you are requested to provide Rockstar India with copies of the following documents (unless provided earlier):

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Ms. Samrudhi Tejmal Sancheti, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "MAHAVEER INFOTECH", Pune.

MAHAVEER INFOTECH
159A, Near Jama Masjid,
Kharalaai Temple road ,Kharalwadi,
Pimpri, Pune-411018.
9130027788 / 8208417010
www.mahaveerinfotech.com
mail.mahaveerinfotech@gmail.com

INTERNSHIP OFFER LETTER

02 / 12 / 2020

To,

Samrudhi Tejmal Sancheti

Vishwakarma College Of Arts, Commerce And Science

Pune.

Dear Samrudhi Tejmal Sancheti,

MahaveerInfotech is pleased to offer you and educational internship opportunity as a developer intern.

This post is located in Pune(Maharashtra).You will be receiving academic credit for this post, you will be paid Rs5000.

Your schedule will be approximately 8 hours per day(excluding Sunday another holidays) beginning 3ᵈᵈ DEC 2020 You will get completion letter after finishing your assignments provided within internship.

Please sign to confirm acceptance.

Congratulations and welcome in the team.

Place: Pune

Date: - 02 / 12 / 2020

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Ms. Siddhesh Thakur, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "UBISOFT", Pune.

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Ms. Aarti Bade, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "SPRINGWARE ",pune.

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Geeta P.Agarkar, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "TYCHE INFOTECH PVT. Ltd.", Pune.

TYCHE INFOTECH
WE TAKE YOUR BUSINESS SERIOUSLY

Date: 04 January 2021

Re: Geeta P. Agarkar

Dear Geeta P. Agarkar:

I am pleased to confirm your acceptance of an internship as Intern Developer with Tyche Infotech Pty. Ltd.

Your first day of work will be 11ᵗʰ Jan 2021. You will work on **Payroll Management System** as 40 numbers of hours per week totaling 240 number of hours for the duration of the internship.

If you have any questions, please feel free to contact Mr Umesh Korde. We are please you've decided to join Tyche Infotech Pty. Ltd.

Sincerely,
Umesh Korde
For TYCHE INFOTECH
Director
Director
Tyche Infotech Pty. Ltd.
Website: http://tycheinfotech.com.au/

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr. Neeraj Atul Deshpande, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "CAPGEMINI", Pune

Capgemini

Capgemini Technology Services India Limited
(Formerly known as IGATE Global Solutions Limited)
Plot No. 14, Rajiv Gandhi Infotech Park, MIDC-SEZ,
Hinjewadi Phase-III, Pune-411057, India.
Tel: +91 20 6699 2000 | Fax: +91 20 6699 5959
www.capgemini.com/in-en

EMPLOYMENT OFFER LETTER

Capgemini Ref: 2220611/384002

05/22/2019.

Neeraj Atul Deshpande
B1/2, Sai nagar Apt. Sukhsagar Nagar,
Lane -3, Pune   Confidential

Dear Neeraj Atul

Pursuant to our discussions, we are pleased to offer you employment opportunity, on probation basis, with **Capgemini Technology Services India Limited** ('**Capgemini**' or '**Company**') starting from **05/23/2019** (or such other date as may be communicated to you by the Company), as per details given below.

A) Your current designation will be **Software Associate/A3**

B) You will be required to work at the Company's offices in location **Pune**

C) Your all-inclusive annual target compensation (on a cost to company basis) will be INR 250,011.00 (Rupees Two Lakh Fifty Thousand and Eleven only) which would comprise your salary, applicable statutory benefits, bonus, if any, and/or any incentives as applicable to you. Your compensation shall be paid on a monthly basis, in arrears. The Company shall deduct tax at source at the time of making payment.

The breakup of your all-inclusive annual target compensation is as follows:

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Ajay Agarwal, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "PODIUM SYSTEMS PVT.LTD", Pune.

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Varsha Dhondiram Yelmer, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "N-INFINITY PVT.LTD", Pune

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr. Kishor Magar, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "CREAZIONE SOFTWARE", Pune

Creazione Software

Date: 08/01/2021

To:

Kishor Magar
96/A, Jaimalhar Colony, Manjri road, Hadapsar, Pune - 412307
7972487829, kishormagar934@gmail.com

SUBJECT: INTERNSHIP OFFER LETTER

Dear Kishor,

As per our recent discussions we are happy to inform you that your profile has been selected for internship role in our firm. Your joining date will be 11th Jan 2021.

This will be non-paid Academic Internship which will include On Job Training on Software Development Technologies.

Sincerely,

For Creazione Software,

Pravin D. Khandagale

Manager – HR

Corporate Office: Banglow No.3, Grzar Colony, Near Paud Phata, Behind Karishma Society, Kothrud, Pune-411038 Contact: 8329460713 Email: enquiry@creazionesoftware.com

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr. Onkar Kalal, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "NOVOSALUS TECHNOLOGIES", Pune

Novosalus Technologies

Technologies for Healthcare of Tomorrow, Delivered Today

Date: 15 Feb 2021

Internship Offer

Dear Onkar,

Congratulations!!

On behalf of Novosalus Technologies, I am pleased to extend you this offer of temporary employment as an Intern, Frontend Development. You will begin your internship with the Company from 15 Feb 2021 for duration of 6 months and will be paid a stipend of 3000/ month

Your internship with the Company is "at-will," which means that either you or the Company may terminate your internship at any time, with or without cause and with or without notice. During your employment, you may have access to trade secrets and confidential business information belonging to the Company. By accepting this offer of employment, you acknowledge that you must keep all of this information strictly confidential, and refrain from using it for your own purposes or from disclosing it to anyone outside the Company. In addition, you agree that, upon conclusion of your employment, you will immediately return to the Company all of its property, equipment, and documents, including electronically stored information.

By accepting this offer, you agree that throughout your internship, you will observe all policies and practices governing the conduct of our business and employees, including our policies prohibiting discrimination and harassment. This letter sets forth the complete offer we are extending to you, and supersedes and replaces any prior inconsistents statements or discussions. It may be changed only by a subsequent written agreement.

I hope that your association with the Company will be successful and rewarding

To

Deepa shah

(Director)

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr. Asmita Saurabh Jagtap, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "TATA", Pune

Offer: Computer Consultancy
Ref: TCSL/DT20195109085/Pune
Date: 09/04/2021

Ms. Asmita Subhash Jagtap
Marketyard Last Bus StopHamalnagar Market Yard Pune Flat No 10 Bldg No 8,
Maharashtra,
Pune-411037,
Maharashtra,
Tel# -9226476697

Dear Asmita Subhash Jagtap,

Sub: Letter of Offer

Thank you for exploring career opportunities with TATA Consultancy Services Limited (TCSL). You have successfully completed our initial selection process and we are pleased to make you an offer of employment.

This offer is based on your profile and performance in the selection process. You have been selected for the position of **Graduate Trainee** in Grade **YG**. Your gross salary including all benefits will be ₹1,90,926/- per annum, as per the terms and conditions set out herein.

Kindly confirm your acceptance of this offer online through the option 'Accept Offer letter'. If not accepted within 7 Days, this offer is liable to lapse at the discretion of TCS this offer will be automatically withdrawn.

After you accept this offer, you will be given a joining letter indicating the details of your joining date and initial place of posting. The Joining letter will be issued to you only upon successful completion of your academic course and you meeting the TCS eligibility criteria.

You will also be issued a letter of appointment at the time of your joining after completing joining formalities as per company policy. Your offer is subject to a positive background check.

COMPENSATION AND BENEFITS

BASIC SALARY
You will be eligible for a basic salary of ₹7,950/- per month.

TCS Confidential   1
TCSL/DT20195109085

TATA CONSULTANCY SERVICES
Tata Consultancy Services Limited

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

MS.Manali Jain, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "CODEINFINITY", Pune.

CODEINFINITY

CODEINFINITY

Office Address: 1st Floor, Office No -2, Building C-2, Manikmoti Complex, Near Jivandhan Hospital, Pune- Satara Road, Katraj Chowk, Pune- 411046.
Mobile No: +91-9325187037 E-mail: codeinfinitypune@gmail.com
Website: www. codeinfinitypune.com

REF: Int-CI2088-2020

OFFER LETTER

Dear Manali Jain,

With reference to your application and subsequent interview with us, we are pleased to appoint you as Java-L3 Level with Codeinfinity, Pune.

We take this opportunity to welcome you to Codeinfinity Pune. We value your abilities and believe you will find our work environment to be challenging and fulfilling.

Date of Joining:

09th January 2021

Level:

Java -L3 Level

Project Name:

Online Fashion Jewellery Application

Location/Transfer:

You will be based out of our Pune location. The company may require you to work at other company locations and on customer's site, both inside or outside India.

As abide by intellectual property and confidentiality policy of Codeinfinity Pune.

We wish her every success in life.

**AUTHORIZED PERSON SIGN
CODEINFINITY**

www.codeinfinitypune.com

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Makarand Saurabh Kakde, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "TECH BRAIN PVT.LTD", Pune

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Ms. Sharon Samuel Mackwan, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "INFOSYS", Pune

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Shubham Shashikant Dave, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "VIRTUE INFOTECH", Pune

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Ms.Kiran Rajnedra Raskar, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "OMEGASOFT TECHNOLOGIES", Pune

Ω OMEGASOFT
Technologies

Office No 201, Second floor, Unity Gold Building, Near Deccan Bus Stop, Deccan, Pune-411004
http://www.omegasoftindia.com   Landline: 020-41217199   E-mail: info@omegasoftindia.com

Ref No: OS/May-2021/151   DATE: 25 May 2021

Project Completion Letter

This is to certify that Kiran Rajnedra Raskar a student of your college VISHWAKARMA COLLEGE OF ARTS,COMMERCE AND SCIENCE, KONDAWA, PUNE-48, has successfully completed internship project from 15 Dec 2020 to 25 May 2021 at OmegaSoft Technologies, Pune.

During the period of industry project with us, she was found punctual, hardworking and inquisitive. She was working under senior team member in Development Department.

Project Name: Computerised Bookshop

Management System

Technology: Java

We wish her every success in life.

Note: Due to the privacy policy, we can't deliver source code and database to intern students.

Yours Sincerely

Omegasoft Technologies pvt ltd

Pallavi Dhawale(HR)

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Shubham Shashikant Dave, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "VATSAL TECHNOSOFT PVT.LTD", Pune

APPOINTMENT LETTER

This agreement is made on dated – **12th Jan 2021**

Vatsal Technosoft Pvt Ltd (Herein after refered to as the "Company") **Nikita Soni** (Herein after referred to as the "Trainee").

Both parties agree on the following:

1. Commencement of Engagement

This contract of Engagement will begin on while your joining process start and continue until terminated as set out in clause 11 (below).

2. Place of Work

As per Policy, during your Training Period you will be working from Home Online in your Personal Laptop or Desktop. You will be solely responsible for the Internet facility or any other form related to it. Company will not provide any such form mentioned above or not responsible for payment to any expenses related to it.

3. Training:

- Position:
- Working Sites:

During Training Period you will be working in our own Company Working Sites related to your Training Projects and Attendance etc in order to keep a track of your work so that you will feel that you work with us in a Company Environment. Neither, you will disclose nor share any information related to the above to any outsiders who is not a part of Vatsal Technosoft nor any former Employees of the Company.

4. Final Hiring as Employee:

Vatsal Technosoft will hire Trainees as Employees only on the basis of 100% Training Performance with Official Documents related to it. We will not disclose the parameters in terms of Performance as per our Policy to any Trainees, but after every month, we will share Performance review to trainees during their Training period.

5. Working Days / Offs and Working Hours:

- 5 Days working (Saturday & Sunday OFF) (If you Employee) –

If any Employee during their Employment Period not able to finish their work within the stipulated Time Period, then he or she will have to strictly work during weekends, no Consideration in terms of work.

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Ms.Khushboo Oswal, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "SOFTTHENEXT", Pune

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr. Mukund Navnath Pokale, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "KALDIN SOLUTIONS", Pune

Date: 10 Dec 2020

To,
Mukund Navnath Pokale
Ahmednagar MH
414 203

Subject: Letter of Intent, formal offer of joining

We are glad to offer you a post with Kaldin Solutions
Your Role will be of "Trainee Software Developer" and you will be directly reporting to the "Team Leader". Your responsibilities would include software development and analysis.

Details as follows:

Remuneration: 12000/month for first three months, 15000/month for the next nine months. Thereafter 24000/month for the second year.
Commitment: 24 months commitment for experience letter and relieving.
Original documents: need to be submitted within the first month of joining: SSC Certificate, HSC Certificate, Graduate Certificate and MCA marksheet.

Working Days: 6 Days working for the first six months thereafter 5 days a week. 1 Paid leave per month after completion of six months.

Office: Head Office, Gate 3, Dwarkadheesh Residency, Pimple Saudagar, Pune.

All rules and regulations will apply to your association with us during this period and thereafter, which may change from time to time.

We heartily congratulate you and are excited to have you with us.

Best Regards,

For

Kaldin Solutions
Pune

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Ms.Hamza Rampurawala, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "CLEAR POINT", Pune

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr.Shubham Shashikant Dave, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "VIRTUE INFOTECH", Pune

NOBLETREE IT SERVICES

Office Address
A1 Office ,Arun Park ,Pimpari Chinchawad ,Maharashtra 411019
www.nobletree.com   nobletreeitservices06@gmail.com

Date 20 May 2021

Sub : INTERSHIP COMPLIETION LETTER

This is to certify that Mr.Ajay Savata Raut Student of The MSc (Computer Science) at Viswakarama Collage of Science ,Commerce and Arts ,Kondhawa Pune Has Completed 6 Month From **16 Dec 2020 to 16 May 2021** Long Internship Program At This Company .

During this Period of his Internship Program He Worked on Project "**Online Apparel Store**" in PHP .His Performance was Excellent and we Found him honest and dedicated towards his work

We wish him every Success in life .

For Nobletree IT Services

Nikhil Chougale
Authorized Signature

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr. Fazal Shaikh, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "EARN WEALTH", Pune

EarnWealth Solutions Pvt. Ltd.

409, 4th Floor, C - Wing, KPCT Mall,
Wanwadi, Pune, Maharashtra 411040 earnwealth.in

EARNWEALTH
Kamate Raho

Date: **3rd May 2021**

Name: *Fazal Shaikh*

Address: 1/A, Sayyed Nagar, Pune City, Hadapsar - 411028

Dear *Fazal,*

We are pleased to offer you the position of **Asst. Software Engineer, Grade I,** with EarnWealth Solutions Pvt. Ltd.

Initially you will be based out of our **Head Office at Pune**. Your joining date is **3rd May 2021.**

Please note that your official joining would be from the date on which you would submit all the joining documents in original to EarnWealth.

Your **CTC** would be **INR 160240 Per Annum**. You would also be entitled for a variable pay as per EarnWealth policies announced from time to time.

Please note that this offer is subject to, our receiving satisfactory feedback from the references provided by you as well as your acceptance of the terms & conditions of employment of EarnWealth. This offer may be withdrawn/ modified if any information or representation furnished by you is found to be incorrect or if any material information is detected by us to have been suppressed by you or any action on your part is found to be in contravention to the terms and conditions of employment or the EarnWealth's Code of Conduct. This letter is not to be construed as your letter of appointment, which will be issued separately subject to the conditions mentioned above.

Please accept the offer and send us a copy of your resignation acceptance.

We look forward to you joining EarnWealth and hope that you have a long and successful career with us.

Yours sincerely,

Ashwini Sontakke

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Mr. Manu Sharma, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "DREAM NAVIGATORS ASSOCIATION", Pune.

DEPARTMENT OF COMPUTER SCIENCE

Department of Computer Science, Vishwakarma College of Arts, Science & Commerce, Kondhwa, Pune used to send their student to industry and companies for Internship in both UG and PG Course to trained them to get work experiences at in real situations. Internship completed by our student is as follow:

Ms. Sourav Kadam, Master of Computer Science (MCS) completed his Internship as "Trainee Software Engineer for partial fulfillment of requirement towards Final Year of their MCS project from "OORT TECHNOLOGY", Pune.

Oort Technology

Office:
Bhavani Complex, Near Ashwini Hospital,Balewadi,Pune-411045
Mobile:- 7709013826/8767187607

Mr. Sourav Kadam
Pune – 411062
Sub- Offer Letter

Dear Sourav,

On presence of OortTechnology, I am pleased to offer you the position of Software Trainee (Internship). In this valuable & visible position you will report to Mr.Sourav Kadam Your start date will be 1 Jan 2021 to 1 June 2021.
Your compensation package includes the following.
-6 months training period
-After 3 months there will be stipend provided which is depending on your performance.
After internship period, there can be chance of joining them permanently (Depends on your performance).

We are delighted to extend this offer to join the Oort Technology Pune. Everyone who met you during the interview process was very impressed with you. We are looking forward to your response. Please don't hesitate to let me know if you have any questions.
Sincerely,

Mr.Zinjade kanchan
(Oort Technology)

[Year:2018-19]

Cake making workshop:

Cooking Competition:

VCACS

INSTITUTION'S INNOVATION COUNCIL

BRACT's
Vishwakarma College of Arts, Commerce and Science, Pune
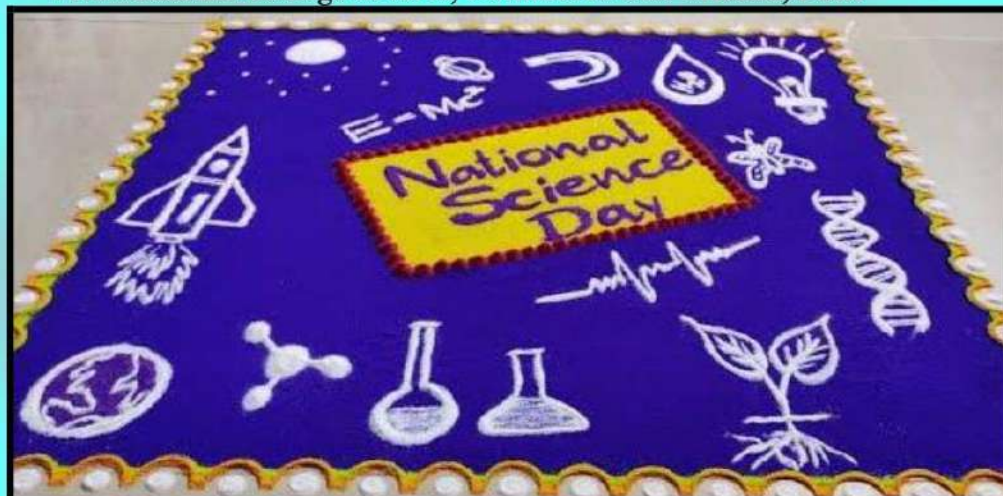
RANGOLI MAKING COMPETITION

On

NATIONAL SCIENCE DAY

What better way to express your creativity than with patterns, shapes, colors, dots and dashes! This challenge appeals to all those artists who can create art on floors in the form of Rangolis. An art without a message is a wasted art indeed. Spread the message on NATIONAL SCIENCE DAY with your Rangoli Art.

Rules –

- Rangoli Theme: *"NATIONAL SCIENCE DAY"*
- Number of participant - 1 Student
- Material -Traditional Rangoli material / Eco-friendly material
- Size - 2x2 feet.
- Submit 2 photos (1 photo of rangoli & 1 selfie with your rangoli)
- Upload images on the given Google form link - https://forms.gle/o693EtMMhEFD4C7JA
- **Last date –7th March 2022 till 4.00 pm.**

Dr.Shital Mantri   Dr.A.R.Patil
(IIC Coordinator)   (Principal)

Images – Flyer for Poster Making Competition

VCACS

BRACT's

Vishwakarma College of Arts, Commerce and Science, Pune

Report on National Science Day – Rangoli Competition

Date: 28th February 2022
Platform: Google Form

Brief details of the event –

BRACT's, Vishwakarma College of Arts, Commerce and Science, Pune, conducted a Rangoli Making Competition on 28th February 2022 on the Occasion of National Science Day.

Objective of the event –

- To promote a scientific drive in the students.
- To spread a message about the importance of science used in the daily life of the people.
- To give an opportunity to the scientific minded students.

Summary –

National Science Day is celebrated every year on February 28. This day recalls the notable invention "Raman Effect" by India's greatest scientist C V Raman. He was awarded the Nobel Prize for this discovery. Since that day, February 28 is being commemorated as National Science Day to recall the great discovery of CV Raman.

Rangoli Making competition was organized in order to enhance creativity and unleash the hidden potential in the students. Students made beautiful Rangoli designs by using various color combinations. Their artisanship was quite fascinating and they thoroughly enjoyed this activity that tickled their creative side.

This year's Rangoli Competition theme was 'National Science Day'. We have received a good response to this competition. Under this competition, Students has to draw and submit their Rangoli image on the given Google form link. A total of 22

students registered and submitted their Rangoli designs. The best entries were awarded with E-certificates.

Images – 1. Samruddhi Kamthe (FYBSc)
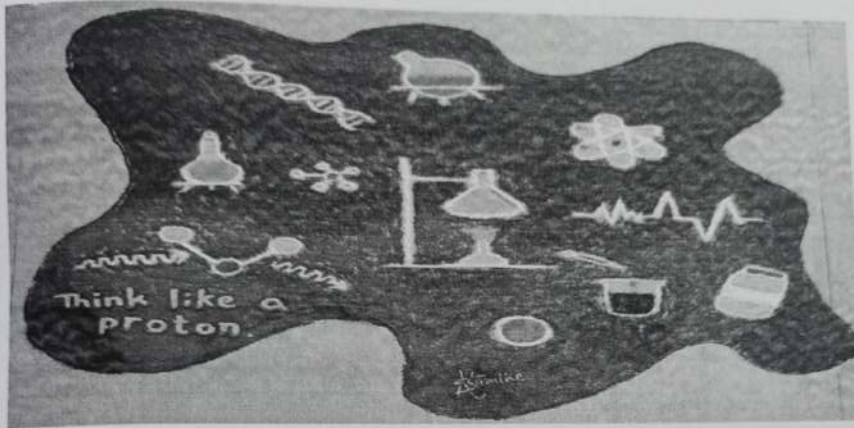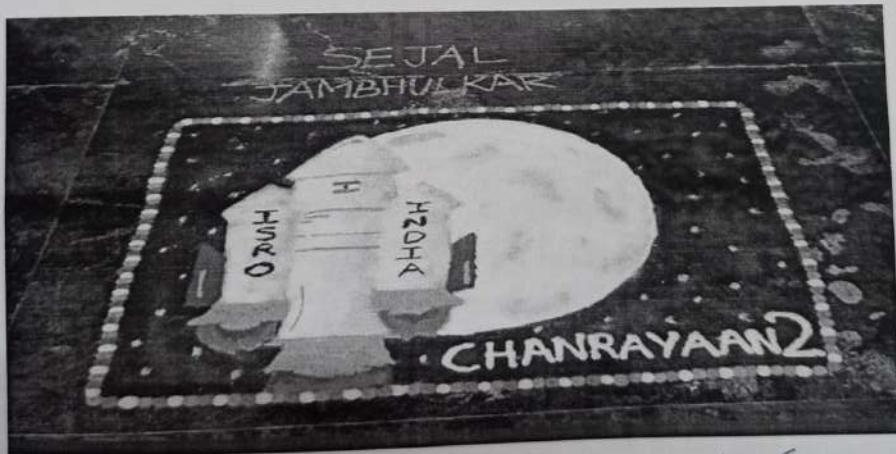
2. Sejal Jambhulkar (TYBBA)

Images – 1. Samruddhi Kamthe (FYBSc)
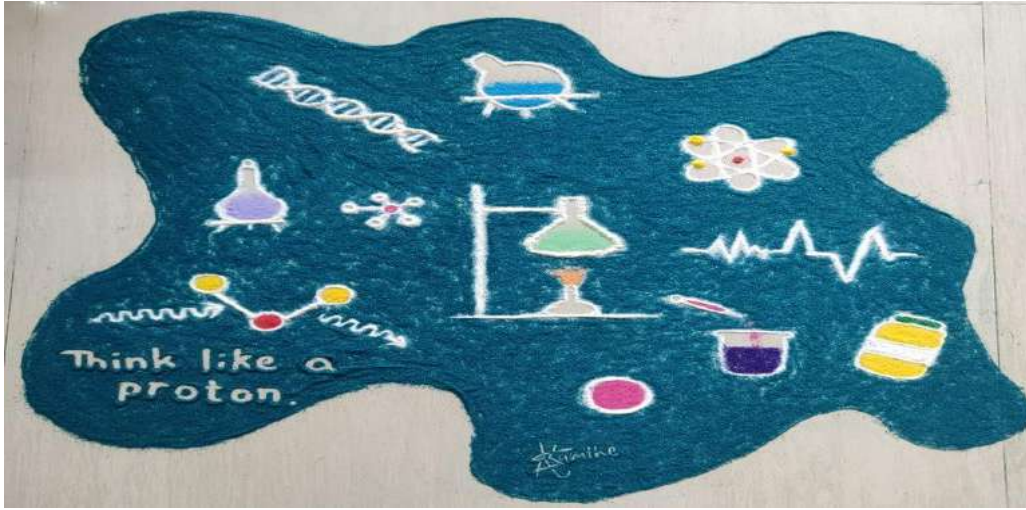
2. Sejal Jambhulkar (TYBBA)

BRACT's

Vishwakarma College of Arts, Commerce and Science, Pune

Report on National Energy Conservation Day

Date: 14th December 2021

Brief details of the event -

On the occasion of "National Energy Conservation Day" our college "Vishwakarama college of Arts, Commerce and Science, Kondhwa," organized "Poster Making Competition"

Objective of the event –

- To drive mass awareness about the importance of energy efficiency and energy conservation among the students.
- Encourage students to reduce energy consumption and use it's efficiently.

Summary -

National Energy Conservation Day is celebrated on 14 December annually. The Bureau of Energy Efficiency (BEE) of India implemented the Energy Conservation Act in 2001. The Ministry of Power is celebrating Energy Conservation Week from 8 to 14 December 2021 under Azadi Ka Amrit Mahotsav. Several activities have been undertaken by Power CPSUs as part of the celebrations.

It is observed every year to spread awareness about the importance of energy and the need of conserving energy by using less energy. Know about the theme, history, and significance of the day. This year's Poster presentation theme for the National Energy Conservation Day is 'Save Energy-Save Earth'. We have received good response to this competition. Under this competition, Students has to prepare and submit their posters on the given Google form link. A total of 25 students registered and submitted their Posters. The best entries were awarded with E-certificates.

Some Posters Submitted by Students -

Incharge

HoD
(Science)

HoD
(Commerce)

Dr. Arun R. Patil
PRINCIPAL
Principal
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune-411 048.

[Year:2019-20]

Drawing competition

विश्वकर्मा कला, वाणिज्य व विज्ञान महाविद्यालय, कोंढवा ,पुणे.

नवउद्योजक स्पर्धा

दिनांक - ०६ फेब्रुवारी २०२०.

स्थळ: - वर्गखोली क्र.-०५.

विश्वकर्मा कला,वाणिज्य व विज्ञान महाविद्यालयात मी उद्योजक /नवउद्योजक स्पर्धा घेण्यात आली.

सदस्य: प्रा.जय निकंबे.

उद्दिष्ट्ये: - विद्यार्थ्यांमध्ये प्रयोगशीलता निर्माण करणे.
- उद्यमशीलता व नवनिर्मितीस चालना.

- व्यावसायिक जीवनात मार्गक्रमण करण्यासाठी प्रेरणा .

- व्यक्तिमत्व विकास.

आपल्या परिसरात उपलब्ध होणारा कच्चा माल, निरुपयोगी अथवा टाकाऊ वस्तू यांच्यापासून विद्यार्थ्यांनी नवनिर्मितीचा उत्तम प्रयत्न केला. विविध प्रकारच्या पर्यावरणपूरक वस्तू विद्यार्थ्यांनी तयार केल्या तसेच विद्यार्थ्यांनी आपण तयार केलेल्या वस्तूविषयी माहिती दिली.

विद्यार्थ्यांनी तयार केलेल्या वस्तूंचे छोटेखानी प्रदर्शन भरविण्यात आले. प्रा.डॉ.शीतल मंत्री यांनी व महाविद्यालातील सर्व प्राध्यापकांनी या प्रदर्शनास भेट देऊन विद्यार्थ्यांचे कौतुक केले. विद्यार्थ्यांनी तयार केलेल्या वस्तूंची विक्रीही करण्यात आली.

- सदर स्पर्धेचे अनुक्रमे विजेते –

१) रसिका शहाणे – या विद्यार्थिनीने टाकाऊ प्लास्टिक पिशव्यांचा वापर करून शोभेच्या वस्तू व उपयुक्त वस्तू तयार केल्या .

२) पल्लवी कांबळे – विविध प्रकारच्या टाकाऊ वस्तूपासून अनेक शोभेच्या वस्तू तयार केल्या .भोपळा ,टाकाऊ कागद,वर्तमानपत्र इ वस्तूंचा वापर करून शोभेच्या वस्तू तयार केल्या.

३) मनीषा पवार – जुन्या कापडाचा वापर करून पायपुसणी व विविध प्रकारच्या टोप्या तयार केल्या होत्या.

सहभागी विद्यार्थी संख्या – ३२.

छायाचित्रे
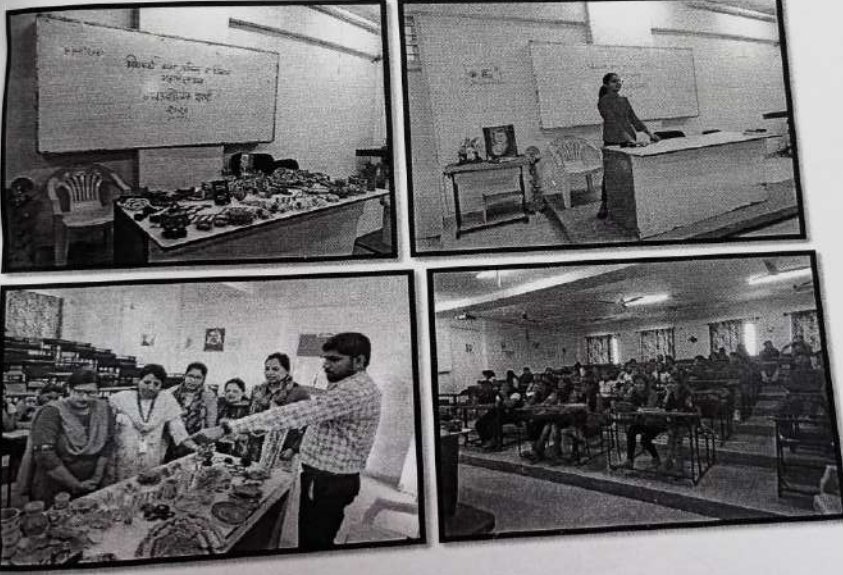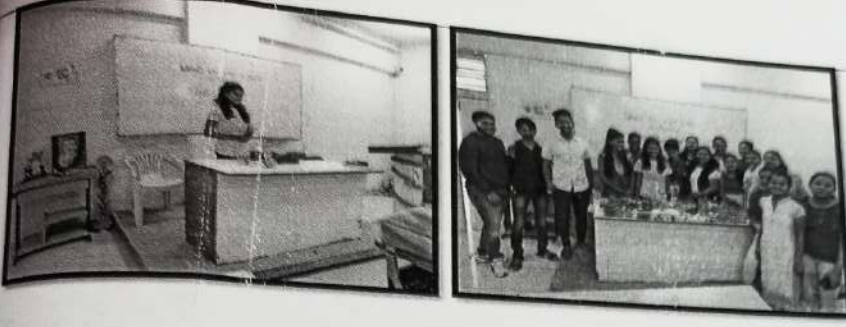
निष्कर्ष: नवउद्योजक या स्पर्धेमध्ये विद्यार्थ्यांनी अतिशय उत्साहाने सहभाग घेतला.विद्यार्थ्यांमध्ये नवनिर्मितीची प्रेरणा जागृत करण्याचे काम नक्कीच या उपक्रमच्या माध्यमातून साध्य झाले. उद्यमशीलता व प्रयोगशीलता व व्यक्तिमत्व विकास या घटकांवर निश्चितच प्रकाश पडला.

प्रा. वैशाली बारसे

SDO officer

Dr. Arun R. Patil
PRINCIPAL
Vishwakarma College of Arts,
Commerce & Science
Kondhwa(Bk.), Pune - 411 048.

POSTER COMPETITION ON OCCASION OF "REPUBLIC DAY" TO GIVE TRIBUTE TO OUR FREEDOM FIGHTERS AND NATIONAL LEADERS:

Project Work

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE KONDHWA BUDRUK, PUNE DIST- PUNE

VCACS

A Project Report On

"NETSPOT WEBBROWSER"

Submitted by

RUTUJA SONAWANE [7138]
ASHUTOSH PANGARE [7131]

FYMSc(Comp. Sci.)
Year 2021-2022
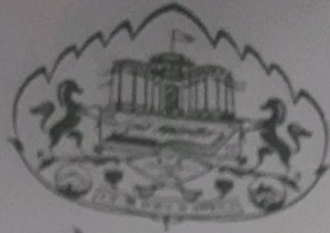
VCACS

PROJECT REPORT ON

PHARMACY MANAGEMENT SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)
2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY

Sanchi Jain

Through
The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

BODY MASS INDEX

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

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PROJECT REPORT ON
GYM MANAGEMENT SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

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&

Prof. Sunila A Shivtare

SUBMITTED BY

YASHRAJ CHANDRAKANT SHITOLE

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

PROJECT REPORT ON

Online Quiz System

Department of TY BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Prof. Sunila A Shivtare

SUBMITTED BY

GOPAL MUNDADA (Roll No:- 3438)

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PROJECT REPORT ON

Online Quiz System

Department of TY BBA (CA)

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2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

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&

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PROJECT REPORT ON

Online Banquet Booking System

Department of BBA(CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

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VCACS

PROJECT REPORT ON
AIRLINE TICKET RESERVATION SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof.Sudhir D Chitnis

&

sunila shivtare

SUBMITTED BY

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AIRLINE TICKET RESERVATION SYSTEM

Department of BBA (CA)

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2021- 2022

For

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PROJECT REPORT ON

VIRTUAL ASSISTANT

(VERONICA)

Department of BBA(CA)

For Bachelor of Computer Applications(Sem6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

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Yash Desai

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Vishwakarma College of Arts, Commerce & Science, Pune

PROJECT REPORT ON

ATM MACHINE

Department of BBA(CA)

For Bachelor Of Computer Application(Sem 6)

2021-2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

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PROJECT REPORT ON

JEWELLERY STORE MANAGEMENT SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

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&

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SUBMITTED BY

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VCACS

PROJECT REPORT ON

UNIVERSITY PARKING

Department of BBA(CA)

For Bachelor of Computer Applications (Sem VI)

2021 – 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

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Throuth

The Principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

ONLINE SHOPPING SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

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SUBMITTED BY

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PROJECT REPORT ON

JEWELLERY STORE MANAGEMENT SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

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SUBMITTED BY

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Vishwakarma College of Arts Commerce & Science, Pune

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PROJECT REPORT ON

Hotel Management system

Department of BBA (CA)

For Bachelor of Computer Application (Semester 4)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Ganesh Jamdurkar & Sunila A Shivtare

SUBMITTED BY

Through

The Principal Vishwakarma College of Arts, Commerce & Science, PUNE

PROJECT REPORT ON

Online MCQ System

Department of TY BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

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Prof. Sunila A Shivtare

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PROJECT REPORT ON

Online MCQ System

Department of TY BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

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Vishwakarma College of Arts, Commerce & Science, Pune

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PROJECT REPORT ON

READ IT ALL

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis and

Prof. Sunila A Shivtare

SUBMITTED BY

Gulabkunwar Rajput

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The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

Home Rental Website

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY

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PROJECT REPORT ON
GYM MANAGEMENT SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

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&

Prof. Sunila A Shivtare

SUBMITTED BY

GANESH DASHRATH JADHAV

Through

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VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE

KONDHWA BUDRUK, PUNE

DIST- PUNE

VCACS

A Project Report On

Employee Management System

Submitted by

Neelay Jayesh Kadam

Seat No: 21493

SYMSc(Computer Science)

Year 2021-2022

Vishwakarma College Of Arts,Science And Commerce Pune

Department of Computer Science

A

Project Report

On

Leave Management System

Submitted To

Savitribai Phule Pune University

In the partial fulfillment of the Degree of M.SC.

(Computer Science)

2021-2022

Submitted By

Amir Shaikh(Seat no-21524)

Farhan Khan(Seat no-21498)

VCACS

PROJECT REPORT ON

Library Management System

Department of BBA (CA)

For Bachelor of Computer Application (Semester 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof.Sadhir D Chitais

&

Sunila A Shivtare

SUBMITTED BY

Abdul Jamil Khalili

Through

The Principal

Vishwakarma College of Arts, Commerce & Science, PUNE

1

PROJECT REPORT ON

Home Rental Website

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY

Through

The principal

PROJECT REPORT ON

ONLINE FOOD ORDERING SYSTEM

Department of BBA (CA)

For Bachelor of computer Applications (Sem6)

2021-2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sunila Shivatare

SUBMITTED BY

Through

The principal

Vishwakarama College of Arts, Commerce & Science, Pune

PROJECT REPORT ON

ONLINE FOOD ORDERING SYSTEM

Department of BBA (CA)

For Bachelor of computer Applications (Sem6)

2021-2022

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Vishwakarama College of Arts, Commerce & Science, Pune

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PROJECT REPORT ON

READ IT ALL

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis and

Prof. Sunila A Shivtare

SUBMITTED BY

Aamena Patanwala

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VCACS

PROJECT REPORT ON

BLIND DETECTION SYSTEM

Department of BBA (CA)

For Bachelor of Computer Application (Semester 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir Chitnis & Sunila Shivtare

SUBMITTED BY

Taher Gheewala & Kabir Navlani

Through

The Principal Vishwakarma College of Arts, Commerce & Science, PUNE

PROJECT REPORT ON

Medical Billing System

Department of BBA (CA)

For Bachelor of Computer Application (Semester 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof.Sadhir D Chitais

&

Sunila A Shivtare

SUBMITTED BY

Ahmad shakir Daudzai

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Vishwakarma College of Arts, Commerce & Science, PUNE

1

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PROJECT REPORT ON

BLIND DETECTION SYSTEM

Department of BBA (CA)

For Bachelor of Computer Application (Semester 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir Chitnis & Sunila Shivtare

SUBMITTED BY

Kabir Navlani & Taher Gheewala

Through

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PROJECT REPORT ON

HOTEL SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D chitnis

&

Sunila A shivtare

SUBMITTED BY

Through

The principal

VCACS

PROJECT REPORT ON

STOCK PRICE ANALYSIS AND TREND PREDICTION

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 4)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Ganesh Jamdurkar

SUBMITTED BY

Mr. Nikhil Mahajan

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

Snake Game using Python

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D. Chitnis

Sunila A. Shivtare

SUBMITTED BY

Darshan Narang

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

Snake Game using Python

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D. Chitnis

Sunila A. Shivtare

SUBMITTED BY

Darshan Narang

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

ONLINE SHOPPING SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY

ESHA SALUNKE

Through

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Vishwakarma College of Arts, Commerce & Science, Pune

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE
KONDHWA BUDRUK, PUNE
DIST- PUNE

VCACS

A Project Report On

"Project Management Software "

Submitted by

Tanvi Mahesh Ghatnekar(Roll no 7145)
Manasi Mahavir Desosale(Roll no 7029)
Bhushan Avinash Pande(Roll no 7159)

SYMSc(Comp. Sci.)

Year 2021-2022

VCACS

PROJECT REPORT ON

BODY MASS INDEX

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY

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STOCK PRICE ANALYSIS AND TREND PREDICTION

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VCACS

PROJECT REPORT ON

ONLINE FOOD ORDERING SYSTEM

Department of BBA (CA)

For Bachelor of computer Applications (Sem6)

2021-2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sunila Shivatare

SUBMITTED BY

Through

The principal

Vishwakarama College of Arts, Commerce & Science, Pune

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PROJECT REPORT ON

BLOOD BANK SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

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Prof. Sudhir D Chitnis

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The principal

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PROJECT REPORT ON

HOTEL SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

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&

Sunila A shivtare

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PROJECT REPORT ON

ONLINE BLOGGING SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

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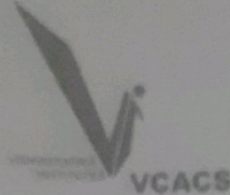
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PROJECT REPORT ON

Online Banquet Booking System

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022 For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sunila Shivtare

SUBMITTED BY

Nikki Bharti

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PROJECT REPORT ON

Drive.com

Department of BBA(CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

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SUBMITTED BY

Ms. Zainab Khan

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Vishwakarma College of Arts, Commerce & Science, Pune

B.R.A.C.T's Charitable Trust's

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PROJECT REPORT ON

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Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

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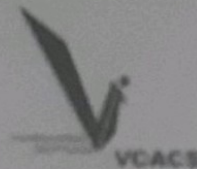
Under the Guidance of

Prof. Sudhir D Chitnis and

Prof. Sunila A Shivtare

SUBMITTED BY

Poonam Pawar

Through

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Vishwakarma College of Arts, Commerce & Science, Pune

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PROJECT REPORT ON
FASHION CLOTHING RECORD SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

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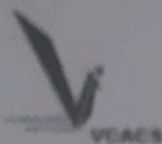
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&

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SUBMITTED BY

Prem Satish Kamthe (3430)

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PROJECT REPORT ON

Online Banquet Booking System

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022 For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sunila Shivtare

SUBMITTED BY

Urvashi Dhananjay Bandal

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON
CRIME REPORTING SYSTEM
Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)
2021- 2022
For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of
Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY
MUNIRA GABUJI

Through
The principal
Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

RESORT MANAGEMENT SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D. Chitnis

&

Prof. Sunila A. Shivtare

SUBMITTED BY

ALVISTER ALMEIDA

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

1

VCACS

PROJECT REPORT ON

RESORT MANAGEMENT SYSTEM

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D. Chitnis

&

Prof. Sunila A.Shivtare

SUBMITTED BY

DILECTA GIRKAR

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

1

PROJECT REPORT ON

LAUNDRY MANAGEMENT SYSTEM

Department of BBA (CA)

For Bachelor of Computer Application (Semester 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Prof . Sunila Shivtare

SUBMITTED BY

Through

The Principal Vishwakarma College of Arts, Commerce & Science, PUNE

PROJECT REPORT ON

LAUNDRY MANAGEMENT SYSTEM

Department of BBA (CA)

For Bachelor of Computer Application (Semester 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Prof . Sunila Shivtare

SUBMITTED BY

Through

The Principal Vishwakarma College of Arts, Commerce & Science, PUNE

VCACS

PROJECT REPORT ON

Read it All

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON
FILE EXPLORER

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021-2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir Chitnis

&

Sunila Shivtare

SUBMITTED BY

Saurabh Ghodke

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

Daily Expense Tracker

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY-

Swaraj Shinde

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

FURNITREND

Department of BBA(CA)

For Bachelor of Computer Applications(Sem6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Mrs. SunilaShivtare

SUBMITTED BY

Miss Srushti Jain

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON
CRIME REPORTING SYSTEM
Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)
2021- 2022
For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of
Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY

ALIFIYA ALI

Through
The principal
Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

Spyware

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D. Chitnis

Sunial A. Shivtare

SUBMITTED BY

Rohan Sharma

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

JuzBike (Bike Service Management System)

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sunila Dhumal

SUBMITTED BY

ANUJ SUTHAR

Through

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

JuzBike (Bike Service Management System)

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sunila Dhumal

SUBMITTED BY

SHREYA SHINGATE

Through

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON
MOBILE BILLING
SYSTEM

Department of BBA (CA)
For Bachelor of Computer Applications (Sem 6)
2021- 2022
For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of
Prof. Sudhir D
Chitnis&
Sunila A Shivtare
SUBMITTED BY

Kshitijgera

Through
The principal
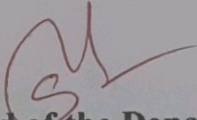
Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

B.R.A.C.T's Charitable Trust's

Vishwakarma College of Arts, Commerce and Science

Kondhwa (BK), Pune-411048

CERTIFICATE
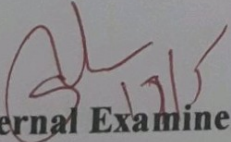
This is to certify that Mr. ALI NASER of B.B.A. (Comp. Application) Roll No: 3406 have **completed** his academic project during the academic year 2021-2022 as complete fulfilment of the B.B.A (Computer Application) course.

Date: - May 2022

Project Guide
(Prof. Sunila Shivtare)

Head of the Department
(Prof. Sudhir Chitnis)

Principal
(Dr. Arun Patil)

Internal Examiner

External Examiner

PROJECT REPORT ON

Spyware

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D. Chitnis

Sunial A. Shivtare

SUBMITTED BY

Kaustubh Yewale

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

PHARMACY MANAGEMENT SYSTEM

Department of BBA (CA)
For Bachelor of Computer Applications (Sem 6)
2021- 2022

For
SAVITRIBAI PHULE PUNE UNIVERSITY
Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY

Mitali Jain

Through
The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

PHARMACY MANAGEMENT SYSTEM

Department of BBA (CA)
For Bachelor of Computer Applications (Sem 6)
2021- 2022

For
SAVITRIBAI PHULE PUNE UNIVERSITY
Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY

Mitali Jain

Through
The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

UNIVERSITY PARKING

Department of BBA(CA)

For Bachelor of Computer Applications (Sem VI)

2021 – 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY

Throuth

The Principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

FURNITREND

Department of BBA(CA)

For Bachelor of Computer Applications(Sem6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Mrs. SunilaShivtare

SUBMITTED BY

Miss KhushiChordia

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

FURNITREND

Department of BBA(CA)

For Bachelor of Computer Applications(Sem6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Mrs. SunilaShivtare

SUBMITTED BY

Miss KhushiChordia

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

READ IT ALL

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis and

Prof. Sunila A Shivtare

SUBMITTED BY

Harisharan Naidu

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

Daily Expense Tracker

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY-

Vyankatesh Ingale

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

ONLINE CRIME REGISTRATION

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir Chitnis &

Sunila A Shivtare

SUBMITTED BY

Shrutika Lunkad(3435)

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

PROJECT REPORT ON

ONLINE CRIME REGISTRATION

Department of BBA (CA)

For Bachelor of Computer Applications (Sem 6)

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir Chitnis &

Sunila A Shivtare

SUBMITTED BY

Rushikesh Shinde (3461)

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

A PROJECT REPORT

ON

" BUSINESS LEAD TRACKING SYSTEM"

SUBMITTED BY

MISS. BHAGYASHRI PRAMOD PURANIK

In Partial Fulfilment of Industrial Training

At

ENUMTECH

M.SC COMPUTER SCI(SEM IV: 2021-2022)

VCACS

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE

2021-2022

A PROJECT REPORT

ON

"NEXT STEP HIRE"

Submitted By

Mr. Ganesh Raut

In partial fulfillment of Industrial Training

At

tcs

TATA Consultancy Services

M.Sc. Computer Application (SEM IV: 2021-2022)

VISHWAKARMA
INSTITUTES
VCACS

VISHWAKARMA COLLEGE OF ARTS, COMMERCE AND SCIENCE

2021-2022

1

Project report on "Online Construction Portal

department of Msc(CA)

(Master of Computer Applications)

2021-2022 for

Savitri Bai Phule Pune University

under the guidance of

Mrs Anjum Patel

submitted by

Rutuja Pramod Yadav

from

VCACS

A PROJECT REPORT

ON

"AUSTRALIAN MUSLIM MARRIAGE"

Submitted By

Mr. Kailas Dhindle.

In partial fulfilment of Industrial Training

At

Oyster Technohub Pvt Ltd.

M.sc Computer Sci. (SEM IV: 2013-2014)

VCACS

VISHWAKARMA COLLEGE OF ARTS, COMMERCE AND SCIENCE 2013-2014

1

"Alumni Hub"

A Project submitted to

Savitribai Phule Pune University In Partial

fulfilment of the requirements for the degree

of M.Sc.II(Computer Science)

By

Pratik Arjun Dange

7013

Under the Guidance of

Prof. Anjum Patel

VCACS

Vishwakarma College of Arts, Commerce and Science, Kondhwa, Pune -48

YEAR-2021-2022

A PROJECT REPORT ON

"E-Commerce B2C System"

SUBMITTED BY

SHRIRAJ SANJAY KONDE

&

AISHWARYA GANGARAM AIWALE

In partial fulfilment of Industrial Training

AT

WEBHUB TECHNOLOGIES SOFT SOLUTION FOR THE HARD PROBLEMS
MASTER OF COMPUTER SCIENCE (M. C. S.)

UNDER THE GUIDANCE OF
PROF. ANJUM PATEL

VISHWAKARMA
INSTITUTES **VCACS**

VISHWAKARMA COLLEGE OF ART'S, COMMERCE &
SCIENCE 2021-22.

0

A PROJECT REPORT ON

"E-Commerce B2C System"

SUBMITTED BY

SHRIRAJ SANJAY KONDE

&

AISHWARYA GANGARAM AIWALE

In partial fulfilment of Industrial Training

AT

WEBHUB TECHNOLOGIES SOFT SOLUTION FOR THE HARD PROBLEMS
MASTER OF COMPUTER SCIENCE (M. C. S.)

UNDER THE GUIDANCE OF
PROF. ANJUM PATEL

VISHWAKARMA INSTITUTES
VCACS

VISHWAKARMA COLLEGE OF ART'S, COMMERCE & SCIENCE 2021-22.

0

A PROJECT REPORT ON

"COMPUTER LAB MANAGEMENT"

Submitted By

Mr. Sanket Babar.

In partial Fulfilment of Industrial Training

At

Vishleshak Technologies Pvt Ltd, Pune.

MSc (Computer Application) SEM IV:2021-2022

VISHWAKARMA COLLEGE OF ARTS, COMMERCE

AND SCIENCE.

A PROJECT REPORT

ON

Medplus

Under Guidence by : Prof. Anjum Patel

Submitted By

Mr. Dinesh Jadhav

Mr. Sagar Jadhav

In Partial Fulfilment Of Industrial Training

At

S Square Softtech Solutions ltd.

M.sc (Computer Science)

Sem-IV :2021-22

Vishwakarma College Of Arts Commerce, Science Kondhwa (BK.)Pune

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE

KONDHWA BUDRUK, PUNE

DIST- PUNE

VCACS

A Project Report On

"TREAT TIME"

Submitted by

Name: - MOHAN PARSHURAM YADAV

&

Name: - SHRIYAN HARSHRAJ SURESH

S.Y.MSc(Comp. Sci.)

Year 2021-2022

1

A PROJECT REPORT

ON

" PROPERTY LEAD TRACKING SYSTEM"

SUBMITTED BY

MISS. KHAN TARANNUM ABDUL RAB

In Partial Fulfilment of Industrial Training

At

AFFINITY X

M.SC COMPUTER SCI(SEM IV: 2021-2022)

VCACS

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE

2021-2022

A PROJECT REPORT

ON

"Smart News App"

Submitted By

Mr. ASHISH AGARWAL

In partial fulfillment of Industrial Training

At

SSP TECHNOLOGY

M.Sc. Computer Application (SEM IV: 2021-2022)

VCACS

VISHWAKARMA COLLEGE OF ARTS, COMMERCE AND SCIENCE

2021-2022

1

A

PROJECT REPORT

ON

'FOOTPRINTING TOOLS

DEPARTMENT OF M.sc.(CA)

FOR

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

UNDER THE GUIDANCE OF

Mrs. Anjum Patel

SUBMITTED BY

Nachiket Rameshwar Jadhav

FROM

VISHWAKARMA
INSTITUTES
VCACS

A PROJECT REPORT

ON

"ERP System"

Submitted By

Mr. Aditya Udayraj Chauhan

In partial fulfillment of Industrial Training

At

Phi Commerce

M.Sc. Computer Application (SEM IV: 2021-2022)

VISHWAKARMA COLLEGE OF ARTS, COMMERCE AND SCIENCE , PUNE

2021-2022

A PROJECT REPORT
ON

"COMQuiz"

Submitted By

Mr. Farhan Khan

In Partial fulfillment of industrial training

At

Social Beast

Msc. Computer Sci (SEM IV:2021-2022)

VCACS

VISHWAKARMA COLLEGE OF ARTS,
COMMERCE AND SCIENCES
2021-2022

A PROJECT REPORT

ON

"E-VOTING SYSTEM FOR MODERN INDIVIDUAL"

Submitted By

Mr. Vishwesh Deshpande

In partial fulfillment of Industrial Training

At

MFT Pvt. Ltd.

M.Sc. Computer Application (SEM IV:2021-2022)

VCACS

VISHWAKARMA COLLEGE OF ARTS, COMMERCE AND SCIENCE

2021-2022

A PROJECT REPORT

ON

"XPRESS LOGISTICS SERVICES"

Submitted By

Mr. RAM CHOUGULE

In partial fulfillment of Industrial Training

At

COGNIZANT TECHNOLOGY SOLUTIONS

M.Sc. Computer Application (SEM IV: 2021-2022)

VCACS

VISHWAKARMA COLLEGE OF ARTS, COMMERCE AND SCIENCE

2021-2022

Vishwakarma college of Arts commerce and science

A

PROJECT REPORT ON

DIGITAL VILLAGE

Submitted in partial fulfillment of the requirements

For the award of the Degree of

Masters in (Computer Application)

Submitted by:

Pawar Chaitanya Hemant &Dhumal Rutuja Kishor

SAVITRIBAI PHULE PUNE UNIVERSITY

(2022)

Vishwakarma College of Arts,Commerce & Science

Affiliated To Savitribai Phule Pune University

Project on:-

HR Management System

A Project Report Document Submitted in Partial Fulfillment of the Requirements for the Degree of
MSC(Computer Science)

By
Student Name

Mr. Shrinivas Balkrushna Deshpande.
Email:deshpandesb99@gmail.com
Roll No:7013

Mr. Vishwas Shivaji Gaikwad.
Email:Vishwasgaikwad2000@gmail.com
Roll No:7015

PROJECT REPORT ON

Company Visitor Management System

Department of Computer Science

For Master's of Computer Science (Sem 2)

2021-2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY:

Sayyed Sahil Jamir

Shaikh Asif Mohd. Javed

Vishwakarma College of Arts, Commerce & Science, Pine

A
Project Report
On
UNIVERSITY MANAGEMENT SYSTEM

Submitted By

Shreya Milind Phalke

In Partial Fulfilment for The Award of The Degree
Of
Masters Of Science
In
Computer Science

Vishwakarma College OF Arts, Commers, and Science,
Pune – 411048.
University of Pune.

Bansilal Ramnath Agarwal charitable trust's

Vishwakarma College of Arts,Commerce & Science

Affiliated To Savitribai Phule Pune University

Project on:-

HR Management System

A Project Report Document Submitted in Partial Fulfillment of the Requirements for the Degree of
MSC(Computer Science)

By
Student Name

Mr. Shrinivas Balkrushna Deshpande.
Email:deshpandesb99@gmail.com
Roll No:7013

Mr. Vishwas Shivaji Gaikwad.
Email:Vishwasgaikwad2000@gmail.com
Roll No:7015

PROJECT REPORT ON

Vehicle Parking Management System

Department of Computer Science

For Master's of Computer Science (Sem 2)

2021-2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY:

Mohammed Bilal Ansari

Rupesh Rajesh Katwate

Vishwakarma College of Arts, Commerce & Science, Pine

VISHWAKARMA INSTITUTES VCACS

ONLINE VOTING SYSTEM

A PROJECT REPORT

Submitted by

Yash Bhosale Roll No:7005

Bhakti Deshmukh Roll No:7010

Sahil Mokar Roll no: 7034

In Partial Fulfillment for the award of the Degree

OF

Masters of Science

In

Computer Science

Vishwakarma College of Art Commerce and Science

University of Pune April 2022

PAYROLL SYSTEM

A PROJECT REPORT

Submitted by

Omkar Suryawashi – 7036
Smrutika Kumbhar – 7028

In Partial Fulfillment for the award of the Degree
OF
Masters of Science
In

Computer Science

Vishwakarma College of Art Commerce and Science
University of Pune April 2022

VCACS

PROJECT REPORT ON

HOSTEL MANAGEMENT SYSTEM

Department of MSC (CS)

For MASTERS IN COMPUTER SCIENCE (SEM II) 2021 - 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

SUBMITTED BY

SUDHANSHU MITKAR

UDAYAN JADHAV

Vishwakarma College of Arts, Commerce & Science, Pune

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE

KONDHWA BUDRUK, PUNE

DIST- PUNE

VCACS

A Project Report On

"And approach of building mordern apps using Containers."

Submitted by

Triveni Ambadas Badagu

FY Msc(Comp. Sci.) Sem II

Year 2021-2022

PROJECT REPORT ON

Title

"EasySysAdmin -

A new approach to Employee Assessment System"

Department of MSc (CS)

For Masters of Computer Science (Sem 2) vcacs

2021 - 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir Chitnis

SUBMITTED BY

Pranav P Shinde   Omkar P Pangare

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

ONLINE VOTING SYSTEM

A PROJECT REPORT

Submitted by

Yash Bhosale Roll No:7005

Bhakti Deshmukh Roll No:7010

Sahil Mokar Roll no: 7034

In Partial Fulfillment for the award of the Degree

OF

Masters of Science

In

Computer Science

Vishwakarma College of Art Commerce and Science

University of Pune April 2022

Vishwakarma College of Arts, Commerce & Science, Pune

Kondhwa (BK), Pune-411048

VCACS

PROJECT REPORT ON
GYM MANAGEMENT SYSTEM

SUBMITTED BY

AYUSHI MOHAN BORANA

SY.MSc(Comp.Sci)
Year 2021-2022

VCACS

PROJECT REPORT ON
HOSTEL MANAGEMENT SYSTEM

Department of MSC (CS)

For MASTERS IN COMPUTER SCIENCE (SEM II) 2021 - 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

SUBMITTED BY

SUDHANSHU MITKAR

UDAYAN JADHAV

Vishwakarma College of Arts, Commerce & Science, Pune

PROJECT REPORT ON

Company Visitor Management System

Department of Computer Science

For Master's of Computer Science (Sem 2)

2021-2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir D Chitnis

&

Sunila A Shivtare

SUBMITTED BY:

Sayyed Sahil Jamir

Shaikh Asif Mohd. Javed

Vishwakarma College of Arts, Commerce & Science, Pine

SAVITRIBAI PHULE PUNE UNIVERSITY
Accredited With Grade "A+" By NAAC

Project Report on
"Simple Bus Ticket Booking System"

For Partial Fulfilment of
M.Sc.(Computer Science)-SEM-II DEPARTMENT OF COMPUTER SCIENCE

SUBMITTED BY
Mr. Bharat Sunil Shinde
Mr. Vaibhav Narendra Ovhal
Mr. Sagar Vijay Patare

UNDER THE GUIDANCE OF
Prof Mr.Sudhir Chitnis

FOR ACADEMIC YEAR
2021-2022

16

VCACS

PAYROLL SYSTEM

A PROJECT REPORT

Submitted by

Omkar Suryawashi – 7036
Smrutika Kumbhar – 7028

In Partial Fulfillment for the award of the Degree
OF
Masters of Science
In

Computer Science

Vishwakarma College of Art Commerce and Science
University of Pune April 2022

BANSILAL RAMNATH AGARWAL CHARITABLE TRUST

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE

F.Y.M.Sc Computer Science (2021-2022)

VISHWAKARMA INSTITUTES **VCACS**

Project Report

On

Devotees Worship Portal

Atharva M Chavan (7007)

Saurav Naik (7035)

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE

F.Y.M.Sc Computer Science (2021-2022)

VISHWAKARMA
INSTITUTES
VCACS

Project Report

On

PERSONALIZED DESKTOP ASSISTANT
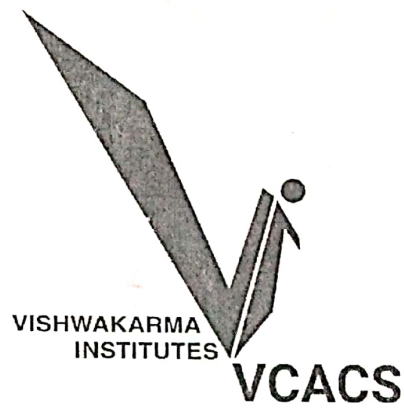
Gaurav Dal(7009)

Rahul Kadam(7022)

Vishwakarma College of Arts, Commerce & Science, Pune

Kondhwa (BK), Pune-411048

PROJECT REPORT ON

GYM MANAGEMENT SYSTEM

SUBMITTED BY

NEHA SANTOSH ZENDE
SAKSHI PRASHANT ABNAVE
AYUSHI MOHAN BORANA

SY.MSc(Comp.Sci)

Year 2021-2022

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE

F.Y.M.Sc Computer Science (2021-2022)

VCACS

Project Report

On

PERSONALIZED DESKTOP ASSISTANT

Gaurav Dal(7009)

Rahul Kadam(7022)

PROJECT

ONLINE ICE-CREAM SHOP

Master of Science

Branch : Computer Science

Academic Year : 2022-2023

SUBMITTED BY:

NIKITA PATIL
HARSHAL GIRI
NARENDRA JOGI

VCACS

ONLINE ICE-CREAM PARLOUR

A PROJECT REPORT

Submitted by

Nikita Patil Roll No:7039

Harshal Giri Roll No:7016

Narendra Jogi Roll no: 7021

In Partial Fulfillment for the award of the Degree

OF

Masters of Science

In

Computer Science

Vishwakarma College of Art Commerce and Science

University of Pune April 2022

VCACS

PROJECT REPORT ON
SOFTWARE MANAGEMENT SYSTEM

Department of MSC (CS)

For MASTERS IN COMPUTER SCIENCE (SEM II)

2021 - 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

SUBMITTED BY

ROHAN V HINGE

ISHAAN M SASTE

Vishwakarma College of Arts, Commerce & Science, Pune

VCACS

ONLINE ICE-CREAM PARLOUR

A PROJECT REPORT

Submitted by

Nikita Patil Roll No:7039

Harshal Giri Roll No:7016

Narendra Jogi Roll no: 7021

In Partial Fulfillment for the award of the Degree

OF

Masters of Science

In

Computer Science

Vishwakarma College of Art Commerce and Science

University of Pune April 2022

VISHWAKARMA INSTITUTES VCACS

ONLINE VOTING SYSTEM

A PROJECT REPORT

Submitted by

Yash Bhosale Roll No:7005

Bhakti Deshmukh Roll No:7010

Sahil Mokar Roll no: 7034

In Partial Fulfillment for the award of the Degree

OF

Masters of Science

In

Computer Science

Vishwakarma College of Art Commerce and Science

University of Pune April 2022

A

Project Report

On

UNIVERSITY MANAGEMENT SYSTEM

Submitted By

Shreya Milind Phalke

In Partial Fulfilment for The Award of The Degree
Of
Masters Of Science
In
Computer Science

Vishwakarma College OF Arts, Commers, and Science,
Pune - 411048.
University of Pune.

Ramalal Ramnath Agarwal charitable trust's

Vishwakarma College of Arts , Commerce & Science

KONDHWA BUDRUK, PUNE

Project Report on

"Stock Management System"

A Project Report Document Submitted in Partial Fulfillment of the Requirements for the Degree of
MSC (Computer Science)

Submitted by

Name: Shrijeet Rohan Phalke

Roll no. 7944

Mail id: shrijeetphalke999@gmail.com

Phone no. 9637682127

Vishwakarma College of Arts, Commerce & Science, Pune

Kondhwa (BK), Pune-411048

PROJECT REPORT ON

GYM MANAGEMENT SYSTEM

SUBMITTED BY

NEHA SANTOSH ZENDE

SY.MSc(Comp.Sci)

Year 2021-2022

e-jobber

A Project -- Report

Submitted By

Revati Vilas Bhilare

Atharva Anil Kavale

In Partial Fulfilment for The Award of The Degree

Of

Masters Of Science

In

Computer Science

Vishwakarma College OF Arts, Commers, and Science,

Pune – 411048.

University of Pune.

VISHWAKARMA INSTITUTES VCACS

PAYROLL SYSTEM

A PROJECT REPORT

Submitted by

Omkar Suryawashi – 7036
Smrutika Kumbhar – 7028

In Partial Fulfillment for the award of the Degree
OF
Masters of Science
In

Computer Science

Vishwakarma College of Art Commerce and Science
University of Pune April 2022

PROJECT RERORT

GET IT CLEAN APPLICATION

CLEAN
LAUNDRY

Project Member's:

- Nishant Keshav Kushwaha   7029
- Sumit Sitaram Kedase   7025
- Rameshwar Subhash Shelke   7061

A Project Report on "E-Learning".

Department of Computer Science

For Masters of Computers Science 2021-2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under guidance of

Mr. Sudhir Chitnis

SUBMITTED BY-

Yogita Pawar
Apurva Mehta

Of

Vishwakarma College of Arts, Commerse & Science, Pune

Vishwakarma College of Arts, Commerce & Science, Pune

Kondhwa (BK), Pune-411048

PROJECT REPORT ON
GYM MANAGEMENT SYSTEM

SUBMITTED BY

SAKSHI PRASHANT ABNAVE

SY.MSc(Comp.Sci)
Year 2021-2022

AgroJoy System

By

Shweta Vibhute - 7007

Pratiksha Deshmukh - 7012

VCACS

A Project Report on "AgroJoy".

Department of Computer Science

For *Masters of Computers Science* 2021-2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under guidance of

Mr. Sudhir Chitnis

SUBMITTED BY-

Pratiksha Deshmukh
Shweta Shashikant Vibhute

Of

Vishwakarma College of Arts, Commerse & Science, Pune

VCACS

PROJECT REPORT ON

GYM MANAGEMENT SYSTEM

Department of MSC (CS)

For Masters of Computer Science

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir Chitnis

SUBMITTED BY

SAKSHI ABNAVE

AAYUSHI BORANA

NEHA ZENDE

Vishwakarma College of Arts, Commerce & Science, Pune 48

VCACS

PROJECT REPORT ON

GYM MANAGEMENT SYSTEM

Department of MSC (CS)

For Masters of Computer Science

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir Chitnis

SUBMITTED BY

SAKSHI ABNAVE

AAYUSHI BORANA

NEHA ZENDE

Vishwakarma College of Arts, Commerce & Science, Pune 48

PROJECT

ONLINE ICE-CREAM SHOP

Master of Science

Branch : Computer Science

Academic Year : 2022-2023

SUBMITTED BY:

NIKITA PATIL
HARSHAL GIRI
NARENDRA JOGI

SAVITRIBAI PHULE PUNE UNIVERSITY

Accredited With Grade "A+" By NAAC

Project Report on
"Simple Bus Ticket Booking System"

For Partial Fulfilment of
M.Sc.(Computer Science)-SEM-II DEPARTMENT OF COMPUTER
SCIENCE

SUBMITTED BY
Mr. Bharat Sunil Shinde
Mr. Vaibhav Narendra Ovhal
Mr. Sagar Vijay Patare

UNDER THE GUIDANCE OF
Prof Mr.Sudhir Chitnis

FOR ACADEMIC YEAR
2021-2022

VCACS

A Project Report on "AgroJoy".

Department of Computer Science

For *Masters of Computers Science* 2021-2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under guidance of

Mr. Sudhir Chitnis

SUBMITTED BY-

Pratiksha Deshmukh
Shweta Shashikant Vibhute

Of

Vishwakarma College of Arts, Commerse & Science, Pune

"Online Nursery System"

NAME:- HARSHAD SUNIL JAGTAP

ROLL NO :- 7020

College – Vishwakarma college of arts commerce and science

SAVITRIBAI PHULE PUNE UNIVERSITY

Accredited With Grade "A+" By NAAC

Minor Project Report on

'Cloud Classroom'

For Partial Fulfilment of

M.Sc. (Computer Science)-SEM-III DEPARTMENT OF
COMPUTER SCIENCE

SUBMITTED BY

Mr. Deshmukh Ganesh Manik And

Mr. Shaam Anil Patil

UNDER THE GUIDANCE OF

Prof Mr Sudhir Chitnis

FOR ACADEMIC YEAR

2021-2022
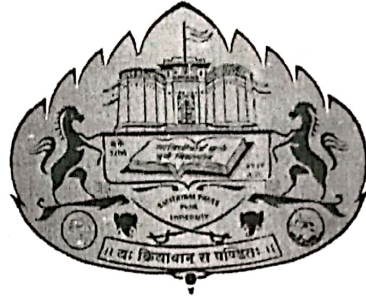
SAVITRIBAI PHULE PUNE UNIVERSITY

Accredited With Grade "A+" By NAAC

Minor Project Report on
"Cloud Classroom"

For Partial Fulfilment of
M.Sc.(Computer Science)-SEM-II DEPARTMENT OF
COMPUTER SCIENCE

SUBMITTED BY
Mr. Deshmukh Ganesh Manik And
Mr. Shivam Anil Patil

UNDER THE GUIDANCE OF
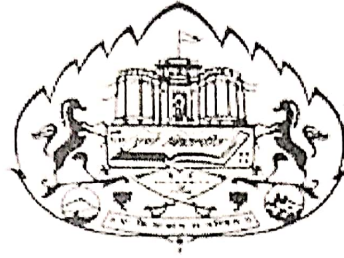
Prof Mr.Sudhir Chitnis

FOR ACADEMIC YEAR
2021-2022

VCACS

PROJECT REPORT ON

Title

"EasySysAdmin -

A new approach to Employee Assessment System"

Department of MSc (CS)

For Masters of Computer Science (Sem 2) vcacs

2021 - 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir Chitnis

SUBMITTED BY

Pranav P Shinde   Omkar P Pangare

Through

The principal

Vishwakarma College of Arts, Commerce & Science, Pune

SAVITRIBAI PHULE PUNE UNIVERSITY

Accredited With Grade "A+" By NAAC

Project Report on
"Simple Bus Ticket Booking System"

For Partial Fulfilment of
M.Sc.(Computer Science)-SEM-II DEPARTMENT OF COMPUTER SCIENCE

SUBMITTED BY
Mr. Bharat Sunil Shinde
Mr. Vaibhav Narendra Ovhal
Mr. Sagar Vijay Patare

UNDER THE GUIDANCE OF
Prof Mr.Sudhir Chitnis

FOR ACADEMIC YEAR
2021-2022

16

VCACS

A Project Report on "AgroJoy".

Department of Computer Science

For *Masters of Computers Science* 2021-2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under guidance of

Mr. Sudhir Chitnis

SUBMITTED BY-

Pratiksha Deshmukh
Shweta Shashikant Vibhute

Of

Vishwakarma College of Arts, Commerse & Science, Pune

Bansilal Ramnath Agarwal charitable trust's

Vishwakarma College of Arts,Commerce & Science

Affiliated To Savitribai Phule Pune University

Project on:-

INVENTORY MANAGEMENT SYSTEM

A Project Report Document Submitted in Partial Fulfillment of the Requirements for the Degree of
MSC(Computer Science)

By
Student Name

Mr. Mohit Verma

Roll No:7056

Mr. Faizan shaikh

Roll No:7053

VCACS

PROJECT REPORT ON

GYM MANAGEMENT SYSTEM

Department of MSC (CS)

For Masters of Computer Science

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir Chitnis

SUBMITTED BY

SAKSHI ABNAVE

AAYUSHI BORANA

NEHA ZENDE

Vishwakarma College of Arts, Commerce & Science, Pune 48

VCACS

PROJECT REPORT ON

HOSTEL MANAGEMENT SYSTEM

(Department of M.Sc. (C.S.)

For MASTERS IN COMPUTER SCIENCE (SEM-III) 2021 - 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

SUBMITTED BY

SUDRE SANSHIR MITHLAL

I IYAS AN JAGIRLAS

Vishwakarma College of Arts, Commerce & Science, Pune

PROJECT RERORT

GET IT CLEAN APPLICATION

Project Member's:

- **Nishant Keshav Kushwaha**   7029
- **Sumit Sitaram Kedase**   7025
- **Rameshwar Subhash Shelke** 7061

e-jobber

A Project – Report

Submitted By

Revati Vilas Bhilare

Atharva Anil Kavale

In Partial Fulfillment For The Award Of The Degree

Of

Masters Of Science

In

Computer Science

Vishwakarma College Of Arts, Commers, and Science,

Pune – 411048.

University of Pune.

VCACS

PROJECT REPORT ON
SOFTWARE MANAGEMENT SYSTEM

Department of MSC (CS)

For MASTERS IN COMPUTER SCIENCE (SEM II)

2021 - 2022

For
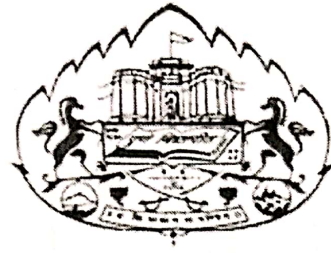
SAVITRIBAI PHULE PUNE UNIVERSITY

SUBMITTED BY

ROHAN V HINGE

ISHAAN M SASTE

Vishwakarma College of Arts, Commerce & Science, Pune

ONLINE VOTING SYSTEM

A PROJECT REPORT

Submitted by

Yash Bhosale Roll No:7005

Bhakti Deshmukh Roll No:7010

Sahil Mokar Roll no: 7034

In Partial Fulfillment for the award of the Degree

OF

Masters of Science

In

Computer Science

Vishwakarma College of Art Commerce and Science

University of Pune April 2022

VCACS

Bansilal Ramnath Agarwal Charitable Trust's

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE, PUNE

Kondhwa Bk., Pune-411048

CERTIFICATE

This is to certify that,

Mr. Sayyed Sahil Jamir & **Mr.** Shaikh Asif Mohd. Javed

Of **F.Y.MSC - (COMPUTER SCIENCE)** class has completed project

report on: Company Visitors Management System

Practical work in the Department of: Computer Science

As prescribed by the Savitribai Phule Pune University, in the

Academic year **2021-2022**.

Principal   **Internal Examiner**   **External Examiner**

Date :

Remark :

Bansilal Ramnath Agarwal charitable trust's
Vishwakarma College of Arts,Commerce & Science
Affiliated To Savitribai Phule Pune University

Project on:-

INVENTORY MANAGEMENT SYSTEM

A Project Report Document Submitted in Partial Fulfillment of the Requirements for the Degree of
MSC(Computer Science)

By
Student Name

Mr. Mohit Verma

Roll No:7056

Mr. Faizan shaikh

Roll No:7053

Bansilal Ramnath Agarwal charitable trust's

Vishwakarma College of Arts, Commerce & Science
Affiliated To Savitribai Phule Pune University

Project on:-

INVENTORY MANAGEMENT SYSTEM

A Project Report Document Submitted in Partial Fulfillment of the Requirements for the Degree of
MSC(Computer Science)

By
Student Name

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Roll No:7056

Mr. Faizan shaikh

Roll No:7053

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A Project – Report

Submitted By

Revati Vilas Bhilare

Atharva Anil Kavale

In Partial Fulfilment For The Award Of The Degree

Of

Masters Of Science

In

Computer Science

Vishwakarma College OF Arts, Commers, and Science,

Pune – 411048.

University of Pune.

VCACS

PROJECT REPORT ON

GYM MANAGEMENT SYSTEM

Department of MSC (CS)

For Masters of Computer Science

2021- 2022

For

SAVITRIBAI PHULE PUNE UNIVERSITY

Under the Guidance of

Prof. Sudhir Chitnis

SUBMITTED BY

SAKSHI ABNAVE

AAYUSHI BORANA

NEHA ZENDE

Vishwakarma College of Arts, Commerce & Science, Pune 48

SAVITRIBAI PHULE PUNE UNIVERSITY

Accredited With Grade "A+" By NAAC

Minor Project Report on
"Cloud Classroom"

For Partial Fulfilment of
M.Sc.(Computer Science)-SEM-II **DEPARTMENT OF COMPUTER SCIENCE**

SUBMITTED BY
Mr. Deshmukh Ganesh Manik And
Mr. Shivom Anil Patil

UNDER THE GUIDANCE OF

Prof Mr. Sudhir Chitnis

FOR ACADEMIC YEAR
2021-2022

BANSILAL RAMNATH AGARWAL CHARITABLE TRUST

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE

F.Y.M.Sc Computer Science (2021-2022)

Project Report

On

Devotees Worship Portal

Atharva M Chavan (7007)

Saurav Naik (7035)

BRACT's
VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE

MIS Report :

SN	Particular	Bud		Jul-17 BBA	BBA IB	BBA CA	BCom	MCA	B.Sc.	M.Sc.	VCACS		Var	YTD JULY - 2017 BBA	BBA IB	BBA CA	BCom	MCA	B.Sc.	M.Sc.	VCACS	Var
			Bud	SS	SS	SS	SS	SS	SC	SC	ARP		Var	SS	SS	SS	SS	SS	SC	SC	ARP	Var
	Academic ::			Act	Act	Act	Act	Act	Act	Act	Bud	Act		Act	Act	Act	Act	Act	Act	Act	Act	
1	Attendance		100%	83%	85%	86%	83%	83%	88%	84%	100%	85%	15%	83%	85%	86%	83%	83%	86%	84%	85%	16%
2	Class compliance		100%	96%	98%	98%	98%	92%	94%	96%	100%	96%	4%	96%	98%	98%	98%	92%	94%	96%	96%	4%
3	Session plan compliance		100%	98%	99%	99%	98%	94%	99%	100%	100%	98%	2%	98%	99%	99%	98%	94%	99%	100%	98%	2%
4	Tests in Number		13	3	2	3	NA	NA	3	2	13	13	0	3	2	3	NA	NA	3	2	13	0%
5	Exam Result		100%	82%	79%	93%	NA	NA	85%	96%	100%	87%	13%	82%	79%	93%	NA	NA	85%	96%	87%	13%
6	Exam Result (University Exam)		100%	81%	0%	63%	63%	88%	60%	92%	100%	64%	36%	81%	0%	63%	63%	88%	60%	92%	64%	36%

BRACT's

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE

MIS Report :

SN	Particular	Bud	Jul-18										YTD JULY - 2018								
				BBA	BBA IB	BBA CA	BCom	MCA	B.Sc.	M.Sc.	VCACS		Var	BBA	BBA IB	BBA CA	BCom	MCA	B.Sc.	M.Sc.	VCACS	Var
			Bud	SS	SS	SS	SS	SS	SC	SC	ARP		Var	SS	SS	SS	SS	SS	SC	SC	ARP	Var
	Academic ::			Act	Act	Act	Act	Act	Act	Act	Bud	Act		Act	Act	Act	Act	Act	Act	Act	Act	
1	Attendance		100%	83%	85%	86%	83%		88%	84%	100%	85%	15%	83%	85%	85%	83%	#####	85%	84%	85%	16%
2	Class compliance		100%	99%	105%	98%	98%		97%		100%	99%	1%	99%	105%	97%	98%	NA	96%		99%	3%
3	Session plan compliance		100%	97%	99%	96%	99%		97%		100%	98%	2%	97%	99%	98%	99%	NA	98%		98%	1%
4	Tests in Number		13	3	2	3	NA		3	2	13	13	0	3	2	3	NA	NA	3	2	13	0%
5	Exam Result		100%	82%	79%	93%	NA		85%	96%	100%	87%	13%	82%	79%	93%	NA	NA	85%	96%	87%	13%
6	Exam Result (University Exam)		100%	89%	81%	71%	98%	100%	76%	96%	100%	87%	13%	89%	81%	71%	98%	100%	76%	96%	87%	13%
7	Students Feedback			N.A.	N.A.	N.A.	N.A.		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A	N.A.	N.A.	N.A.	N.A.

VISHWAKARMA COLLEGE OF ARTS, COMMERCE & SCIENCE

MIS Report :

SN	Particular	Bud		Jul-19										YTD JULY-2019							
				BBA	BBA IB	BBA CA	BCom	B.Sc.	M.Sc.	VCACS			BBA	BBA IB	BBA CA	BCom	B.Sc.	M.Sc.	VCACS	
			Bud	SS	SS	SS	SS	SC	SC	ARP		Var	SS	SS	SS	SS	SC	SC	ARP	Var
	Academic ::			Act	Act	Act	Act	Act	Act	Bud	Act		Act	Act	Act	Act	Act	Act	Act	
1	Attendance		100%	84%	84%	83%	84%	84%	-	100%	84%	16%	84%	84%	83%	84%	84%	-	100%	16%
2	Class compliance		100%	81%	95%	100%	93%	96%	-	100%	93%	7%	81%	95%	100%	93%	96%	-	100%	7%
3	Session plan compliance		100%	85%	93%	100%	93%	97%	-	100%	94%	6%	85%	93%	100%	93%	97%	-	100%	6%
4	Tests in Number			3	3	3	3	3	0	15	15	0	3	3	3	3	3	0	15	0
5	SPPU Result		100%	60%	90%	70%	63%	49%	97%	100%	72%	28%	60%	90%	70%	63%	49%	97%	100%	28%
6	Class Test Result		100%	81%	81%	80%	76%	73%	-	100%	78%	22%	81%	81%	80%	76%	73%	-	100%	23%
7	Students Feedback			N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

Coursewise Class and Session Compliances for JULY-2019 :

Sr.No.	Class	Course	Class Compliance	Average	Session Compliance	Average
1)	B.Sc.(Comp. Sci.)	F.Y.BSc.(Comp Sci) A	97%	96%	97%	97%
		F.Y.BSc.(Comp Sci) B	98%		97%	
		S.Y.BSc.(Comp Sci) A	92%		95%	
		S.Y.BSc.(Comp Sci) B	95%		95%	
		T.Y.BSc.(Comp Sci)	100%		100%	
2)	B.B.A (C.A.)	F.Y.B.B.A(CA)	100%	100%	100%	100%
		S.Y.B.B.A(CA)	100%		100%	
		T.Y.B.B.A. (CA)	100%		100%	
3)	B.B.A.	F.Y.B.B.A.	84%	81%	89%	85%
		S.Y.B.B.A.	89%		90%	
		T.Y.B.B.A.	70%		76%	
4)	B.B.A.(IB)	F.Y.B.B.A. (IB)	99%	95%	98%	93%
		S.Y.B.B.A. (IB)	98%		93%	
		T.Y.B.B.A. (IB)	89%		88%	
5)	B.Com.	F.Y.B.Com. A	92%	93%	95%	93%
		F.Y.B.Com. B	97%		96%	
		S.Y.B.Com.	89%		96%	
		T.Y.B.Com.	95%		88%	
6)	M.Sc.Comp.Sci.	Msc(comp) I	-	-	-	-
		Msc(comp) II	-		-	

Coursewise Class and Session Compliances for JULY-2019 :

Sr.No.	Class	Course	Attendance	Average
1)	B.Sc.(Comp. Sci.)	F.Y.BSc.(Comp Sci) A	84%	84%
		F.Y.BSc.(Comp Sci) B	85%	
		S.Y.BSc.(Comp Sci) A	84%	
		S.Y.BSc.(Comp Sci) B	84%	
		T.Y.BSc.(Comp Sci)	84%	
2)	B.B.A (C.A.)	F.Y.B.B.A(CA)	84%	83%
		S.Y.B.B.A(CA)	84%	
		T.Y.B.B.A. (CA)	82%	
3)	B.B.A.	F.Y.B.B.A.	83%	84%
		S.Y.B.B.A.	85%	
		T.Y.B.B.A.	84%	
4)	B.B.A.(IB)	F.Y.B.B.A. (IB)	85%	84%
		S.Y.B.B.A. (IB)	84%	
		T.Y.B.B.A. (IB)	85%	
5)	B.Com.	F.Y.B.Com. A	85%	84%
		F.Y.B.Com. B	83%	
		S.Y.B.Com.	84%	
		T.Y.B.Com.	84%	
6)	M.Sc.Comp.Sci.	Msc(comp) I	-	-
		Msc(comp) II	-	