



Systel Institute of Management & Research

Trust Act No. F/4005/Dhule Dtd. 28-07-98
Regd. No. MH/4048/DHL Dtd. 20-12-96

"Systel House", 7, Kshire Colony, W.B.Road, Deopur, Dhule .Ph: 02562-226085
Mob. No.: 9422792685, Email:- systel_imr@yahoo.co.in website: www.systelonline.org

Chairman: Hon. Hemant C. Gharate

Director: Dr. Hansraj M. Patil
(Ph.D,MBA,MCA,MCM,M.Sc.)

To,

Whomever it may Concern

NAAC

Subject: Regarding number of students undertaking project work/ field work/ internship

Reference: Your query No: 1.3.2 in DVV

Respected Sir/Madam,

With mentioned above subject we would like to inform you that, we have provide List of students in English along with the details of tittle, place of work, duration along with project work completion certificates and sample reports of project. Total 154 number of students completed 83 project work/ field work reports.




DIRECTOR
SYSTEL INSTITUTE OF
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DEOPUR, DHULE-424002.



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Systel Technical Education Society's
**Systel Institute of
Management & Research**

"Systel House", 7, Kshiro Colony, W.B.Road, Deopur, Dhule.
Ph: 02562-226085 Mob. No.: 94222 85085, 9422792685, website: www.systelonline.org

Ref. – SIMR/ 977 /2023

Date - 04 / 04 /2023

Director: Dr. Hansraj M. Patil

(Ph.D,MBA,MCA,MCM,M.Sc.)

प्रति,
मा. संचालक
परीक्षा व मूल्यमापन मंडळ,
क.ब.चौ. उ.म.वि. जळगाव.

विषय:- माहे एप्रिल / मे २०२३ मधील BBA, BCA & MMS (Computer Management) या वर्गातील
विद्यार्थ्यांचे प्रकल्प अहवाल जमा करण्याबाबत.....

महोदय,

वरील विषयान्वये शैक्षणिक वर्ष २०२२-२३ मधील माहे एप्रिल / मे २०२३ मधील BBA, BCA & MMS
(Computer Management) या वर्गातील विद्यार्थ्यांचे प्रकल्प अहवाल जमा करण्यात यावी हि नम्र विनंती.

सोबत :-

- १) BBA = 04
- २) BCA = 20
- ३) MMS = 17
- ४) Students List of Project Report

Received
[Signature]
5/4/23

Project Report
BCA 20, MMS-17
Received
[Signature]
5/4/2023

आपला विश्वास
[Signature]
DIRECTOR,
SYSTEL INSTITUTE OF
MANAGEMENT & RESEARCH
DEOPUR, DHULE - 424002

Letter English Translation

To,
Director
Exam & Evaluation Dept.
KBC North Maharashtra University, Jalgaon

Subject: Regarding the submission of project report of the students of BBA, BCA & MMS(Computer Management) Class in month of April/May 2023

Sir,


The request to submit project reports of the class BBA, BCA & MMS(Computer Management) during the year of April/May 2023 under the above subject.

Enclosed By :

- 1) BBA: 04
- 2) BCA: 20
- 3) MMS: 17
- 4) Student list of project report

Yours Faithfully




DIRECTOR
SYSTEM INSTITUTE OF
MANAGEMENT & RESEARCH
DEOPUR, DHULE-424002.

SYSTEL INSTITUTE OF MANAGEMENT & RESEARCH, DHULE

College Code :- 200088

Academic Year 2022-2023 Students List Of Project Report

S.N.	Name of College	Course Name	Name of Students	Project Title	Guide Name
1	SYSTEL I.M.R., Dhule	TYBBA	AHIRE PRATHAMESHRAVINDRA	ANALYSIS OF INDIAN LIFE INSURANCE SECTOR	PROF. R. M. SHIRSATH
2	SYSTEL I.M.R., Dhule	TYBBA	KATKAR AKSHAY KONDIBA	A STUDY OF BUSINESS LOAN PROPOSAL	PROF. N. C. VISPUTE
3	SYSTEL I.M.R., Dhule	TYBBA	KHAN MASHAF YUSUF	STUDY OF DERIVATIVE MARKET	PROF. R. M. SHIRSATH
4	SYSTEL I.M.R., Dhule	TYBBA	MARATHE ANIKET PRAMOD	A STUDY ON PERFORMANCE OF UNIT-LINKED INSURANCE PLANS (ULIP) OFFERED BY INDIAN PRIVATE INSURANCE	PROF. N. C. VISPUTE




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College Code :- 200088

Academic Year 2022-2023 Students List Of Project Report

S.N.	Name of College	Course Name	Name of Students	Project Title	Guide Name
1	SYSTEL I.M.R., Dhule	TYBCA	Baviskar Sachin Raghunath	Employee Leave Management System	Prof. Asha M. More
2	SYSTEL I.M.R., Dhule	TYBCA	Borse Dnyaneshwar Vasant	Online News Portal	Prof. R. M. Shirsath
3	SYSTEL I.M.R., Dhule	TYBCA	Borse Jitendra Subhash	Car Rental Portal	Prof. R. M. Shirsath
4	SYSTEL I.M.R., Dhule	TYBCA	Borse Rohit Sanjay	Petrol Pump Management System	Prof. Asha M. More
5	SYSTEL I.M.R., Dhule	TYBCA	Borse Shantanu Vishwasrao	Tourism Management System	Prof. S. R. Sharma
6	SYSTEL I.M.R., Dhule	TYBCA	Borse Yash Sharadchandra	Billing System	Prof. Saeed Ansari
7	SYSTEL I.M.R., Dhule	TYBCA	Deore Mahesh Bharat	Bank Account Management System	Prof. A. S. Deo
8	SYSTEL I.M.R., Dhule	TYBCA	Jadhav Nivrutti Madhukar	Hospital Management System	Prof. N. C. Vispute
9	SYSTEL I.M.R., Dhule	TYBCA	Jagadale Chetan Vijay	Advertise Management System	Prof. A. S. Deo
10	SYSTEL I.M.R., Dhule	TYBCA	Kshirsagar Munesh Rajendra	Online Food Ordering System	Dr. H. M. Patil
11	SYSTEL I.M.R., Dhule	TYBCA	Marathe Snehal Prashant	Online Bakery Shop	Prof. R. M. Shirsath
12	SYSTEL I.M.R., Dhule	TYBCA	Nagane Darshan Sunil	Vehicle Parking Management System	Dr. H. M. Patil
13	SYSTEL I.M.R., Dhule	TYBCA	Patil Jayesh Pravin	Estimate Management System	Prof. Asha M. More
14	SYSTEL I.M.R., Dhule	TYBCA	Patil Shivani Vilas	Online Book Store	Dr. H. M. Patil
15	SYSTEL I.M.R., Dhule	TYBCA	Patil Vishal Magan	Hotel Management System	Prof. Saeed Ansari
16	SYSTEL I.M.R., Dhule	TYBCA	Pinjari Nadeem Maeem	Online Banking System	Prof. Saeed Ansari
17	SYSTEL I.M.R., Dhule	TYBCA	Sonawane Bhushan Arvind	Transport Management System	Prof. S. R. Sharma
18	SYSTEL I.M.R., Dhule	TYBCA	Sonawane Hemant Sanjay	Library Management System	Prof. Saeed Ansari
19	SYSTEL I.M.R., Dhule	TYBCA	Suryawanshi Ketan Yadav	Event Management System	Prof. A. S. Deo
20	SYSTEL I.M.R., Dhule	TYBCA	Wagh Hrishikesh S.	Two Wheeler Studio	Prof. N. C. Vispute




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SYSTEL INSTITUTE OF MANAGEMENT & RESEARCH, DHULE

College Code :- 200088

Academic Year 2022-2023 Students List Of Project Report


S.N.	Name of College	Course Name	Name of Students	Project Title	Guide Name
1	SYSTEL I.M.R., Dhule	MMS (CM)-II	Bhadane Ishwar Anandrao	Computer Billing System	Prof. A. S. Deo
2	SYSTEL I.M.R., Dhule	MMS (CM)-II	Chaudhari Rupali Chandrakant	Online Library Management System	Prof. Saeed Ansari
3	SYSTEL I.M.R., Dhule	MMS (CM)-II	Girase Shweta Jagdishsing	Online Hospital Management System	Prof. N. C. Vispute
4	SYSTEL I.M.R., Dhule	MMS (CM)-II	Godhwani Payal Anilkumar	E-Learning	Prof. R. M. Shirsath
5	SYSTEL I.M.R., Dhule	MMS (CM)-II	Hiyalis Mahendra Mohan	Spa & Academy Management System	Dr. H. M. Patil
6	SYSTEL I.M.R., Dhule	MMS (CM)-II	Kanetkar Ketki Devdatta	Alumni Management System	Prof. Asha M. More
7	SYSTEL I.M.R., Dhule	MMS (CM)-II	Nagane Minal Sunil	Smart Maintenance Portal	Prof. A. S. Deo
8	SYSTEL I.M.R., Dhule	MMS (CM)-II	Nikam Harshada Suresh	Medical Billing System	Prof. S. R. Sharma
9	SYSTEL I.M.R., Dhule	MMS (CM)-II	Patil Namrata Vishwas	Student Qr Attendance System	Prof. Saeed Ansari
10	SYSTEL I.M.R., Dhule	MMS (CM)-II	Patil Nikhil Raosaheb	Mobile Store Management System	Prof. Asha M. More
11	SYSTEL I.M.R., Dhule	MMS (CM)-II	Patil Priyanka Vinayak	Online Exam Management System	Prof. R. M. Shirsath
12	SYSTEL I.M.R., Dhule	MMS (CM)-II	Patil Rachana Vilas	Online Pathology Laboratory System	Prof. A. S. Deo
13	SYSTEL I.M.R., Dhule	MMS (CM)-II	Ranalkar Ashwarya Rajendra	Blind Extraction Hidden Data From Digital Media	Prof. N. C. Vispute
14	SYSTEL I.M.R., Dhule	MMS (CM)-II	Suryawanshi Vishakha Avinash	News Paper Management System	Prof. Asha M. More
15	SYSTEL I.M.R., Dhule	MMS (CM)-II	Thakur Mayur Anil	Furniture Shop Management System	Prof. S. R. Sharma
16	SYSTEL I.M.R., Dhule	MMS (CM)-II	Wagh Ashwini Ramesh	Online Cloth Store	Prof. R. M. Shirsath
17	SYSTEL I.M.R., Dhule	MMS (CM)-II	Wagh Sanchita Ishwar	Tours & Travels Management System	Prof. N. C. Vispute




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S.N.	Name of College	Course Name	Name of Students	Project Title	Guide Name
१)	Systel IMR, Dhule	TYBCA	Baviskar Sachin Raghunath	ColdStorage Management System	Prof. Saeed Ansari
२)	Systel IMR, Dhule	TYBCA	Sonawane Hemant Sanajay	Cold Storage Management System	Prof. Saeed Ansari
३)	Systel IMR, Dhule	TYBCA	Patil Vishal Magan	Student Information System	Prof. R. M. Shirsath
४)	Systel IMR, Dhule	TYBCA	Jagdale Chetan Vijay	Student Information System	Prof. R. M. Shirsath
५)	Systel IMR, Dhule	TYBCA	Suryawanshi Ketan Yadav	Bank Locker System	Prof. Ankita Deo
६)	Systel IMR, Dhule	TYBCA	Borse Rohit Sanjay	Bank Locker System	Prof. Ankita Deo
७)	Systel IMR, Dhule	TYBCA	Patil Shivani Vilas	Library Management System	Prof. Ankita Deo
८)	Systel IMR, Dhule	TYBCA	Marathe Snehal Prashant	Library Management System	Prof. Ankita Deo
९)	Systel IMR, Dhule	TYBCA	Borase Yash Shradchandra	Loan Organization System	Prof. N. C. Vispute
१०)	Systel IMR, Dhule	TYBCA	Borse Shantanu Vishwasrao	Loan Organization System	Prof. N. C. Vispute
११)	Systel IMR, Dhule	TYBCA	Borase Jitendra Subhash	Online NCC System	Prof. Saeed Ansari
१२)	Systel IMR, Dhule	TYBCA	Deore Mahesh Bharat	Online NCC System	Prof. Saeed Ansari
१३)	Systel IMR, Dhule	TYBCA	Nadeem Naeem Pinjari	Online Food Ordering	Prof. Soniya R. Sharma
१४)	Systel IMR, Dhule	TYBCA	Kshirsagar Munesh Rajendra	Online Food Ordering	Prof. Soniya R. Sharma
१५)	Systel IMR, Dhule	TYBCA	Jadhav Nivrutti Madhukar	Tourist Management System	Prof. N. C. Vispute
१६)	Systel IMR, Dhule	TYBCA	Patil Jayesh Pravin	Tourist Management System	Prof. N. C. Vispute
१७)	Systel IMR, Dhule	TYBCA	Wagh Hrishikesh Shantaram	Lecture Allocation System	Prof. Soniya R. Sharma
१८)	Systel IMR, Dhule	TYBCA	Sonawane Bhushan Arvind	Lecture Allocation System	Prof. Soniya R. Sharma
१९)	Systel IMR, Dhule	TYBCA	Nagane Darshan Sunil	Hospital Management System	Prof. Asha M. More
२०)	Systel IMR, Dhule	TYBCA	Borse Dnyaneshwar Vasant	Hospital Management System	Prof. Asha M. More




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Systel Technical Education Society's
Systel Institute of Management and Research, Dhule
Academic Year 2022-2023
FYBBA Field Report : Environmental Studies

S.N.	Course Name	Name of Students	Project Title
1.	FYBBA	Ansari Sheezan Zuber	Food Chain
2.	FYBBA	Dambir Purva Jitendra	Global Warming
3.	FYBBA	Jadhav Tisha Sudhir	Global Warming
4.	FYBBA	Jaisinghani Avinash Tekchand	Food Chain
5.	FYBBA	Mahajan Kalpesh Prakash	Food Chain




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FYBCA Field Report : Environmental Studies

S.N.	Course Name	Name of Students	Project Title
1	FYBCA	Ahire Bhupendra Ghanshyam	Climate Change
2	FYBCA	Ahirrao Harshal Ashok	Air Pollution
3	FYBCA	Bavaskar Jayesh Rajendra	Noise/Sound Pollution
4	FYBCA	Baviskar Shruti Pravin	Water Pollution
5	FYBCA	Beldar Sahil Khan Amin Khan	Natural Disaster Management
6	FYBCA	Bilade Dhananjay Ravindra	Acid Rain
7	FYBCA	Biladi Lalit Chotu	Ocean Acidification
8	FYBCA	Borase Abhijit Yuvaraj	Noise/Sound Pollution
9	FYBCA	Borase Hemant Chandrashekhar	Water Cycle
10	FYBCA	Borse Ganesh Dnyaneshwar	Natural Resources
11	FYBCA	Chaudhari Akanksha Kishor	Waste Management
12	FYBCA	Chaudhari Harshada Deepak	Rain Water Harvesting
13	FYBCA	Chaudhari Harshal Kailas	Effects of Floods
14	FYBCA	Chaudhari Mayur Satish	Water Cycle
15	FYBCA	Chaudhari Pranjal Jagdish	Climate Change
16	FYBCA	Chaudhari Shubham Kishor	Animal Husbandry
17	FYBCA	Chavan Kunal Nilkanth	Ocean Acidification
18	FYBCA	Chavan Rohan Kantilal	Air Pollution
19	FYBCA	Chitte Sakshi Vinod	Mineral Resources
20	FYBCA	Dabhade Pratiksha Martand	Rain Water Harvesting
21	FYBCA	Dhobi Sahil Shaikh Aarif	Natural Disaster Management
22	FYBCA	Dhobi Shaikh Naveed Shaikh Mahemood	Human Population & Environment
23	FYBCA	Dode Yogesh Rajesh	Ocean Acidification
24	FYBCA	Gaware Vishal Balu	Human Population & Environment
25	FYBCA	Girase Jayesh Komalsing	Water Cycle
26	FYBCA	Girase Tanmayi Kiransing	Waste Management
27	FYBCA	Gurav Radhika Dhiraj	Rain Water Harvesting
28	FYBCA	Jagadale Jayesh Dnyaneshwar	Public Health Issues




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S.N.	Course Name	Name of Students	Project Title
29	FYBCA	Jain Umang Sunil	Ozone Deplotion
30	FYBCA	Jamadar Nikita Jitendra	Conservation of plants & animals
31	FYBCA	Jamadar Pranav Mahendrasing	Radioactive Waste
32	FYBCA	Joshi Aaditya Vasant	Effects of Floods
33	FYBCA	Joshi Atharva Vasant	Effects of Floods
34	FYBCA	Khairnar Gopal Uddhav	Extinct Species
35	FYBCA	Khairnar Harshal Pramod	Climate Change
36	FYBCA	Khairnar Ketan Eknath	Natural Disaster Management
37	FYBCA	Khan Altamash Azizkhan	Ozone Deplotion
38	FYBCA	Koli Sandhya Deepak	Air Pollution
39	FYBCA	Main Abhishek Sanjay	Public Health Issues
40	FYBCA	Mali Sandip Mohan	Animal Husbandry
41	FYBCA	Nerkar Prerana Hemaraj	Waste Management
42	FYBCA	Patil Anand Madhavrao	Plastic Pollution
43	FYBCA	Patil Arpita Sambhaji	Public Health Issues
44	FYBCA	Patil Bhushan Ravindra	Noise/Sound Pollution
45	FYBCA	Patil Bhushan Shantaram	Industrial Pollution
46	FYBCA	Patil Chetan Dnyaneshwar(Manisha)	Ozone Deplotion
47	FYBCA	Patil Chetan Dnyaneshwar(Vandana)	Animal Husbandry
48	FYBCA	Patil Chetan Pandurang	Environmental Awareness
49	FYBCA	Patil Dinesh Bansilal	Biodiversity
50	FYBCA	Patil Dinesh Vishwas	Human Population & Environment
51	FYBCA	Patil Dipali Gajendra	Mineral Resources
52	FYBCA	Patil Harshal Vikas	Acid Rain
53	FYBCA	Patil Jayesh Ravindra	Plastic Pollution
54	FYBCA	Patil Kunal Ravindra	Medical Waste Disposal
55	FYBCA	Patil Lalit Pruthviraj	Industrial Pollution
56	FYBCA	Patil Mayur Pralhad	Green House Effect
57	FYBCA	Patil Mayur Yograj	Radioactive Waste
58	FYBCA	Patil Mayuri Samadhan	Green House Effect
59	FYBCA	Patil Mayurkumar Sanjay	Industrial Pollution
60	FYBCA	Patil Nilesh Vishwas	Ecosystem
61	FYBCA	Patil Pravin Dnyaneshwar	Modern agriculture
62	FYBCA	Patil Pushpanjali Manohar	Mineral Resources
63	FYBCA	Patil Raj Vikas	Radioactive Waste
64	FYBCA	Patil Ritesh Chudaman	Plastic Pollution
65	FYBCA	Patil Roshan Subhash	Environmental Awareness
66	FYBCA	Patil Sanika Daivat	Conservation of plants & animals




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S.N.	Course Name	Name of Students	Project Title
67	FYBCA	Patil Sanjana Ravindra	Conservation of plants & animals
68	FYBCA	Patil Siddharth Jijabrao	Land Degradation
69	FYBCA	Patil Tushar Sanjay	Extinct Species
70	FYBCA	Patil Vaibhav Hiranman	Medical Waste Disposal
71	FYBCA	Patil Vipul Prakash	Acid Rain
72	FYBCA	Patil Virendra Ratilal	Ecological Pyramid
73	FYBCA	Patil Vivekanand Santosh	Ecosystem
74	FYBCA	Patil Yash Rangrao	Biodiversity
75	FYBCA	Pawar Harshal Sharad	Modern agriculture
76	FYBCA	Pawar Vijay Madhukar	Green House Effect
77	FYBCA	Rajput Yogesh Ramsagun	Ecological Pyramid
78	FYBCA	Saindane Narendra Gulab	Land Degradation
79	FYBCA	Saindane Neha Satish	Water Pollution
80	FYBCA	Shende Satyam Prashant	Ecosystem
81	FYBCA	Sonawane Chetan Rajendra	Modern agriculture
82	FYBCA	Sonawane Nikhil Pradip	Biodiversity
83	FYBCA	Suryawanshi Dhiraj Ravindra	Natural Resources
84	FYBCA	Suryawanshi Kartik Kishor	Land Degradation
85	FYBCA	Thakare Rohit Nandu	Extinct Species
86	FYBCA	Torawane Gaurav Ravindra	Ecological Pyramid
87	FYBCA	Wagh Sakshi Rakesh	Water Pollution
88	FYBCA	Yeole Nitin Shravan	Natural Resources




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 SYSTEM INSTITUTE OF
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 DEOPUR, DHULE-424002.

Project Certificate



CERTIFICATE

This is to certify that **Minal Sunil Nagane** student of **M.M.S (Computer. Management.)** has satisfactorily completed his project work in subject "**Smart Maintenance Portal**" during the academic year 2022-2023. She has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

(Project Guide)

Prof. Ankita Deo



(Director)

Prof. H. M. Patil

External Examiner

External Examiner

SYSTEL INSTITUTE OF MANAGEMENT AND RESEARCH, DHULE



CERTIFICATE

This is to certify that MASHAF KHAN student of Bachelor of Business Administration (B.B.A.) has satisfactorily completed his project work in subject **"STUDY OF DERIVATIVE MARKET"** during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

(Project Guide)

Prof. R. M. Shirsath

External Examiner



(Director)

Prof. Dr. H.M. PATIL

External Examiner

SYSTEL INSTITUTE OF MANAGEMENT AND RESEARCH, DHULE



CERTIFICATE

This is to certify that **MASHAF KHAN** student of Bachelor of Business Administration (B.B.A.) has satisfactorily completed his project work in subject "**STUDY OF DERIVATIVE MARKET**" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.


(Project Guide)

Prof. R. M. Shirsath

External Examiner


03/05/23




(Director)

Prof. Dr. H.M. PATIL

External Examiner



SYSTEL INSTITUTE OF MANAGEMENT AND RESEARCH, DHULE



CERTIFICATE

This is to certify that **MASHAF KHAN** student of Bachelor of Business Administration (B.B.A.) has satisfactorily completed his project work in subject "**STUDY OF DERIVATIVE MARKET**" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.


(Project Guide)

Prof. R. M. Shirsath

External Examiner


31/07/23




(Director)

Prof. Dr. H.M. PATIL

External Examiner



SYSTEL INSTITUTE OF MANAGEMENT AND RESEARCH, DHULE



CERTIFICATE

This is to certify that **Prathamesh Ravindra Ahire** student of Bachelor of Business Administration (B.B.A.) has satisfactorily completed his project work in subject **“ANALYSIS OF INDIAN LIFE INSURANCE SECTOR”** during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

(Project Guide)

Prof. Ravikant Shirsath Sir



(Director)

Prof. Dr. H. M. Patil

External Examiner

External Examiner

SYSTEL INSTITUTE OF MANAGEMENT AND RESEARCH, DHULE



CERTIFICATE

This is to certify that **Aniket Pramod Marathe** student of Bachelor of Business Management has satisfactorily completed his project work in subject **“A Study On Performance Of Unit-Linked Insurance Plans (Ulip) Offered By Indian Private Insurance Companies”** during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

(Project Guide)

Prof. N. C. Vispute



(Director)

Prof. Dr. H. M. Patil

External Examiner

External Examiner

SYSTEL INSTITUTE OF MANAGEMENT AND RESEARCH, DHULE



CERTIFICATE

This is to certify that **Akshay Kondiba Katkar** student of Bachelor of Business Administration (B.B.A.) has satisfactorily completed his project work in subject "A Study of Business Loan Proposal" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

(Project Guide)

(Director)

Prof. N.C. Vispute



Prof. Dr. H. M. Patil

External Examiner

External Examiner

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CERTIFICATE

This is to certify that Mr.Hrishikesh S. Wagh student of Bachelor of Computer Application(B.C.A.) has satisfactorily completed his project work in subject "Two Wheeler Studio" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

(Project Guide)

Prof. Nitin C. Vispute Sir



(Director)

Prof. Dr. H. M. Patil

External Examiner

External Examiner

SYSTEL INSTITUTE OF MANAGEMENT AND RESEARCH, DHULE



CERTIFICATE


This is to certify that Ketan Yadav Suryawanshi student of Bachelor of Computer Application (B.C.A) has satisfactorily completed his project work in subject "Event Management System" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

(Project Guide)



Prof. Ankita Deo



(Director)


Prof. Dr. H. M. Patil


4/05/23
External Examiner


4/5/23
External Examiner

SYSTEL INSTITUTE OF MANAGEMENT AND RESEARCH, DHULE



CERTIFICATE

This is to certify that **Bhushan Arvind Sonawane** student of Bachelor of Computer Application (B.C.A) has satisfactorily completed his project work in subject "**Transport Management System**" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

(Project Guide)

Prof. Soniya R. Sharma



(Director)

Prof. Dr. H. M. Patil

External Examiner

External Examiner

SYSTEL INSTITUTE OF MANAGEMENT AND RESEARCH, DHULE



CERTIFICATE

This is to certify that **Hemant Sanjay Sonawane** student of Bachelor of Computer Application (B.C.A) has satisfactorily completed his project work in subject "**Library Management System**" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

(Project Guide)

Prof. Saeed Ansari



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CERTIFICATE

This is to certify that **Nadeem Naeem Pinjari** student of Bachelor of Computer Application(B.C.A.) has satisfactorily completed his project work in subject "Online Banking System" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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Saeed S. Ansari



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This is to certify that **Patil Shivani Vilas** student of B.C.A.(Bachelor Of Computer Application) has satisfactorily completed her project work in subject "Online Book Store " during the academic year 2022-2023. She has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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CERTIFICATE

This is to certify that **Munesh Rajendra Kshirsagar** student of Bachelor of Computer Application (B.C.A) has satisfactorily completed his project work in subject **"Online Food Ordering System"** during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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Prof. Dr. H. M. Patil



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This is to certify that **Chetan Vijay Jagadale** student of Bachelor of Computer Application (B.C.A) has satisfactorily completed his project work in subject "Advertise Management System" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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This is to certify that **JADHAV NIVRUTTI MADHUKAR** student of Bachelor of Computer Application (B.C.A.) has satisfactorily completed his project work in subject "HOSPITAL MANAGEMENT SYSTEM" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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This is to certify that **Vishal Magan Patil** student of Bachelor of Computer Application (B.C.A) has satisfactorily completed his project work in subject "**Hotel Management System**" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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This is to certify that **Borse Dnyaneshwar Vasant** student of Bachelor of Computer Application(B.C.A.) has satisfactorily completed his project work in subject "**Online News Portal**" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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This is to certify that **Shantanu Vishwasrao Borse** student of Bachelor of Computer Application (B.C.A) has satisfactorily completed his project work in subject "**Tourism Management System**" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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(Director)

Prof. Dr. H. M. Patil

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04/05/23

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This is to certify that **Rohit Sanjay Borse** student of Bachelor of Computer Application (B.C.A) has satisfactorily completed his project work in subject **“Petrol pump Management System”** during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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This is to certify that **Yash Sharadchandra Borse** student of Bachelor of Computer Application (B.C.A) has satisfactorily completed his project work in subject "**Billing System**" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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This is to certify that Sachin Raghunath Baviskar student of Bachelor of Computer Application (B.C.A) has satisfactorily completed his project work in subject "Employee Leave Management System" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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Prof. Asha M. More



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Prof. Dr. H. M. Patil

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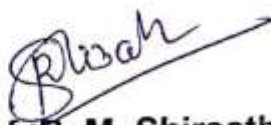
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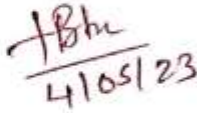
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This is to certify that **Ishwar Anandrao Bhadane** student of **M.M.S (Computer. Management.)** has satisfactorily completed his project work in subject "**Computer Billing System**" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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Prof. Nitin C Vispute



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This is to certify that **Miss Sanchita Ishwar Wagh** student of M.M.S(Computer. Mgmt.) has satisfactorily completed her project work in subject "Tour & Travels Management System" during the academic year 2022-2023. she has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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(Director) 1

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This is to certify that Mahendra Mohan Hiyalis student of M.M.S. (Compt. Mgmt.) has satisfactorily completed his project work in subject "Spa & Academy Management System" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by else where before.

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Prof. Dr. H. M. Patil



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This is to certify that **Miss. Namrata Vishwas Patil** student of M.M.S. (Computer Management) has satisfactorily completed her project work in subject "**Student QR Attendance System**" during the academic year 2022-2023. She has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by else where before.

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Prof. Saeed S. Ansari



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Prof. Dr. H. M. Patil

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CERTIFICATE

This is to certify that **Priyanka Vinayak Patil** student of M.M.S.(Comp. Mgmt.) has satisfactorily completed his project work in subject "**Online Exam Management System**" during the academic year 2022-2023. ~~He~~ ^{She} has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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Prof. R. M. Shirsath



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This is to certify that Aishwarya Rajendra Ranalkar student of M.M.S.(Comp. Mgmt.) has satisfactorily completed his project work in subject "Blind Extraction Hidden Data From Digital Media" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

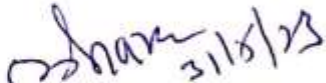
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This is to certify that **Harshada Suresh Nikam** student of M.M.S.(Comp. Mgmt.) has satisfactorily completed his project work in subject “**Medical Billing System**” during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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Prof. Soniya Sharma



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This is to certify that Vishakha Avinash Suryawanshi student of M.M.S.(Comp. Mgmt.) has satisfactorily completed his project work in subject "Newspaper Management System" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

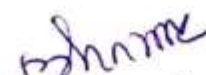
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This is to certify that Ketki Devdatta Kanetkar student of M.M.S.(Comp. Mgmt.) has satisfactorily completed his project work in subject "Alumni Management System" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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Prof. Asha M. More



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This is to certify that **Nikhil Raosaheb Patil** student of M.M.S.(Comp. Mgmt.) has satisfactorily completed his project work in subject "**Mobile Store Management System**" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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This is to certify that **Mayur Anil Thakare** student of M.M.S. (Comp. Mgmt.) has satisfactorily completed his project work in subject "**Furniture Shop Management System**" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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This is to certify that Rachana Vilas Patil student of M.M.S.(Comp. Mgmt.) has satisfactorily completed his project work in subject "Online Pathology Laboratory System" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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Prof. A. S. Deo



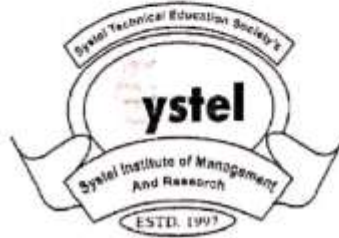
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This is to certify that **Godhwani Payal Anilkumar** student of **M.M.S. (Compt. Mgmt.)** has satisfactorily completed his project work in subject "E-Learning" during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by else where before.

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Prof. Ravi Shirsath



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**SYSTEL INSTITUTE OF MANAGEMENT
AND RESEARCH DHULE**



A PROJECT REPORT ON

Online Food Ordering System

FOR

Bachelor of Computer Application (B.C.A.)

SUBMITTED BY

Munesh Rajendra Kshirsagar

PRN NO: - 2020015400010842

GUIDED BY

Prof. Dr. H. M. Patil

K.B.C. NORTH MAHARASHTRA UNIVERSITY

JALGAON

(2022-2023)

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CERTIFICATE

This is to certify that **Munesh Rajendra Kshirsagar** student of Bachelor of Computer Application (B.C.A) has satisfactorily completed his project work in subject **"Online Food Ordering System"** during the academic year 2022-2023. He has been carried out under my guidance and to the best of my knowledge and belief has not been submitted by elsewhere before.

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Prof. Dr. H. M. Patil



(Director)

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ACKNOWLEDGEMENT

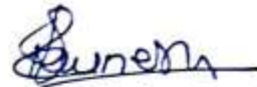
It is with great pleasure & effort that I am able to present this project report. I have tried my best to make it complete in all report. I would like to take opportunity to give my sincere thanks to those people who help me directly or indirectly during completion of this project.

I wish to express my deep sense of gratitude & sincere regards to website without whose agreement I can't step ahead for this project.

I am specially thankful to Project Guide & Director Prof. Dr. H. M. Patil for their valuable guidance & making me avail with all possible resources for this Project.

Next I would like to mention me special thanks to all Faculty members of Systel Institute Of Management & Research, Dhule & all my friends who have contributed me much to complete this project.

At last but not least I would like to convey my regards to my regards to my Family members specially my parents whose emotional support is always with me during this project.



Munesh Rajendra Kshirsagar

CERTIFICATE

This is certify that **Mr. Munesh Rajendra Kshirsagar** student of Bachelor of Computer Application (BCA) for Systel Institute of Management and Research, Dhule under K.B.C. North Maharashtra University, Jalgaon. He has completed their project "**Online Food Ordering System**" in our organization. Their project work satisfy meet all requirements for computerization of our system.

We wish them for their bright future.

S.T. Chaudhari
कात्याणी स्वीट्स वॉर्ड बेकरी
वाणीभीका रोड, देवघर, धुळे

Authorized Signature

S.T. Chaudhari

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Chapter No 1

Introduction

1.1 Introduction to Project

The basic problem in the food service industry is that restaurants are not realizing efficiencies that would result from better applications of technology in their daily operations. Every fast food has counter where you can place your order and then make the payment. So every fast food needs an employee for taking the order and processing the payment. Labor rates are increasing every now and then and it is difficult to find employees in the middle of the highway, hence to solve this problem we plan to design a "Self Served Fast Food System."

This self-service fast food restaurant will be equipped with a user-friendly touch screen, a credit/debit card reader, and software for completing the process at the backend. For this system there will be a system administrator who will have the rights to enter the menu with their current prevailing prices. He/she can enter anytime in the system by a secured system password to change the menu contents by adding or deleting an item or changing its price.

Now when the customer enters the restaurant, he will place his order with the help of the touch screen using the intuitive graphical user interface, right from the selection of language till the payment confirmation. He will select from the food options according to his choice and the system will display the payment amount he has to make once he has finished with his order. He will have the option of paying the bill by cash, debit card or a credit card. The user will slide his card and the system will check for the validity of the card and the payment will be made. A receipt will be printed containing the order number and the order will be sent in the kitchen for processing.

Anticipated Benefits:

1. This will minimize the number of employees at the back of the counter.
2. The system will help to reduce the cost of labor.
3. The system will be less probable to make mistake, since it's a machine.
4. This will avoid long queues at the counter due to the speed of execution and number of optimum screens to accommodate the maximum throughput.

5. The system will be available 24 hours for 365 days, because the machine is not going to take any sick or vacation leave.

1.2 Need of Computerization

Today's fast paced world is overloaded with new and ever changing technologies, to cope up, with these technologies and constant rise in the user demands one need to maintain a very high quality of each and every product being launched. The software industry is not different and is constantly arriving hard to develop and maintain high quality software and every time tries to absorb cutting edges technologies.

Need of this project is to have a artificial intelligence based application that the company can use to publish of information recourses for people. artificial intelligence or a 'atomization 'quite literally allows you to control and manage the within your application – without technical training. Using this uncomplicated system you can very easily add, delete records and edit text in your application on the fly. You can also have an unlimited number of pages search

A software program that allows non-technical users to edit, update, maintain, and create a website using built-in templates. Some are very expensive and can manage large amounts of data while others are rather cheap and inexpensive. A software program that allows authorized users to edit, update, maintain, and create a application using built-in templates. Some are very expensive and can manage large amounts of data while other are rather cheap and inexpensive

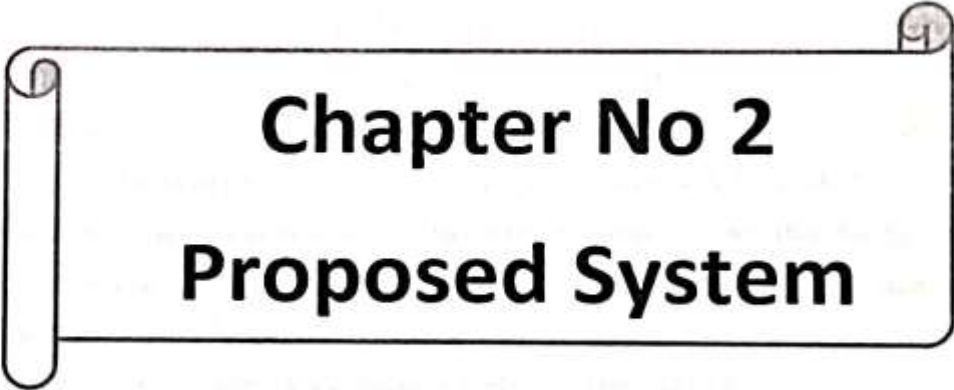
1.3 Objective of project

Computerized food ordering system will provide various up-to-date information to the management. While recording transactions various mistake in calculations and accounting is committed. Sometime this mistakes may result in several problems. Computerized system will get relief form above-mentioned risk. Absolutely error free and accurate performance will be achieved. Further the recording of data will become pleasant and neat.

Material details, report-showing management in decision-making. Due to computerization sequential arrangement of data is possible. So searching of a record and modifying it can be done easily. From above discussion we can conclude that due to Computerization data will be kept accurately, safely and consumption of time will be reduced.

Any system must have some objectives of goals that are to be fulfilled the co-ordinations and implementation of all the active and manpower relating the respective departments of the concerned in order to reach the predefined and task. Following are the objective to be fulfilled computerized "food ordering system".

- 1) Minimize the record keeping through storage device.
- 2) Data can be easily accessed.
- 3) User friendly as menu driven system is developed.
- 4) Last time requirement.
- 5) Data can safely be kept taking backup.



Chapter No 2

Proposed System

2.1 Proposed System

To overcome the drawbacks of the current manual system, a new system has been developed in the form of software. All the data is inputted to the system through input forms. The data is then stored in tables in appropriate format.

1. Whenever it is required the data, it can be retrieved very easily as computer database are very easy to handle.
2. The software is developed using MS-access as back end software. All the data is stored in access tables. For retrieval of data, various queries are used. The database formats are given in appendix.
3. For GUI (Graphical User Interface), Visual basic is used as front end software. Various forms are designed for taking inputs and for printing various reports.
4. The software offers following advantages over that of current system.
5. Accuracy :- An invoicing documents are printed with the help of a computer system, unless and until the input is correct, accuracy can not be suspected.
6. Sorting:- As access is best tool for sorting a data, sorting and storing becomes very simple and less time consuming which in turn reduces the valuable man hours, hence cutting overall costs.
7. Reliability:- Normally a computer system is very reliable.
8. Environmental Friendly:- As the computer is used for storing the data, which is stored in the form of magnetic fields, less papers are required. Less use of papers means less cutting of trees and we can say that proposed system is eco-friendly system.
9. Leader in Market:- As latest technologies are used in daily operations, the user can be viewed as a leader in market or user of latest technologies.

2.2 Hardware & Software Specifications

Hardware Requirement:-

➤ Hardware Requirements

Number	Description
Processor	Intel core ,WIN XP/7/vista
RAM	2GB RAM
Harddisk	320 GB hard Disk
Monitor	Led monitor

➤ Software Requirements

Number	Description
Operating System	Windows XP /7
Frontend	PHP 5.1
Backend	MYSQL
Server	WAMP SERVER/Xampp Server
Design Tools	HTML/DHTML/Ajax/JavaScript/CSS/ flash 8

2.3 Feasibility Study

Feasibility study is system life cycle following the information- gathering phase. The information collection that occur during preliminary to organization. The feasibility study to.

Identify problems and unexploited opportunities in the current system.

Identify major objective for the new system.

Estimate roughly the costs of solution of user problem.

Develop rough estimate of benefits and draw backs of solution.

Obtain user and management views on modification to all the of the above.

All the above points are categorized in three distinct classes.

- 1). Technical Feasibility.
- 2). Operational Feasibility.
- 3). Economical Feasibility.

Technical Feasibility

The Technical issues raised during feasibility stage investigation are like

- Does the necessary technical support exist?
- Does the proposed system have the technical capacity to hold the data required to use the proposed system. The recommended. System provides the necessary hardware/software platform regarding memory capacity and speed.
- Does the proposed system adequate regardless of the number of user?
- The recommended system provides multi user environment so that more than one user can work simultaneously without getting. Bothered about speed or memory limitations.
- Are these technical granted of accuracy reliability in case of data security?

The proposed system is expected to satisfy all the above- mentioned issues.

The Software required is personal visual basic engine ver.6.0 operating system can be either window XP

Operational Feasibility

As per demand of the organization proposed system is beneficial only if it can be turned in to information system that will meet operating requirements of consumer management system. Simple stated this test of feasibility ask if the system will work when it is developed and installed, are their major barrier to implantation & here are questions that will help test the operational feasibility of a project. Are current business methods acceptable

to the user? If they are not users may welcome the changes that will bring about more operational and useful system. The computerized system Electrical house wiring management system developed by me, shall follows the operation factors of feasibility study.

Any operator, a newcomer will also able to handle the system after getting some necessary guidelines. Any person within an organization can operate the computerized system because it is developed to be menu driven user has to just read the option specified and operate correctly as per specification. As it is observed that all person of an organization can handle the computerized system very fluently without facing any problem.

Economical Feasibility

Economical feasibility is used to evaluate the effectiveness of the proposed system in terms of economical criteria.

The cost analysis or ABC analysis, is it is generally called is used to find installed economical feasibility of the project in terms of the cost installed must still be a good investment for organization. Financial benefit must be at least equal to the cost incurred the Financial & economic questions raised by analysis during the preliminary investigation are for the purpose of estimating the following.

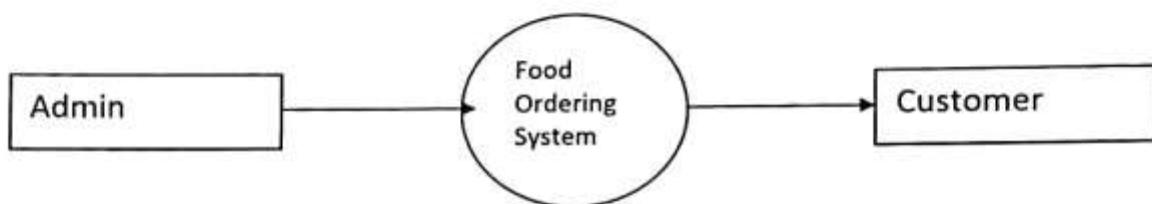
- 1) The cost to conduct a full system investigation.
- 2) The cost of hardware and software for the class of application being considered.
- 3) One of the benefits is that staff itself handles the proposed system. So no manpower cost is incurred.
- 4) The operating cost incurred is the stationary, which is negligible as compared to the benefit offered by the proposed as compared to the benefit offered by the proposed system.



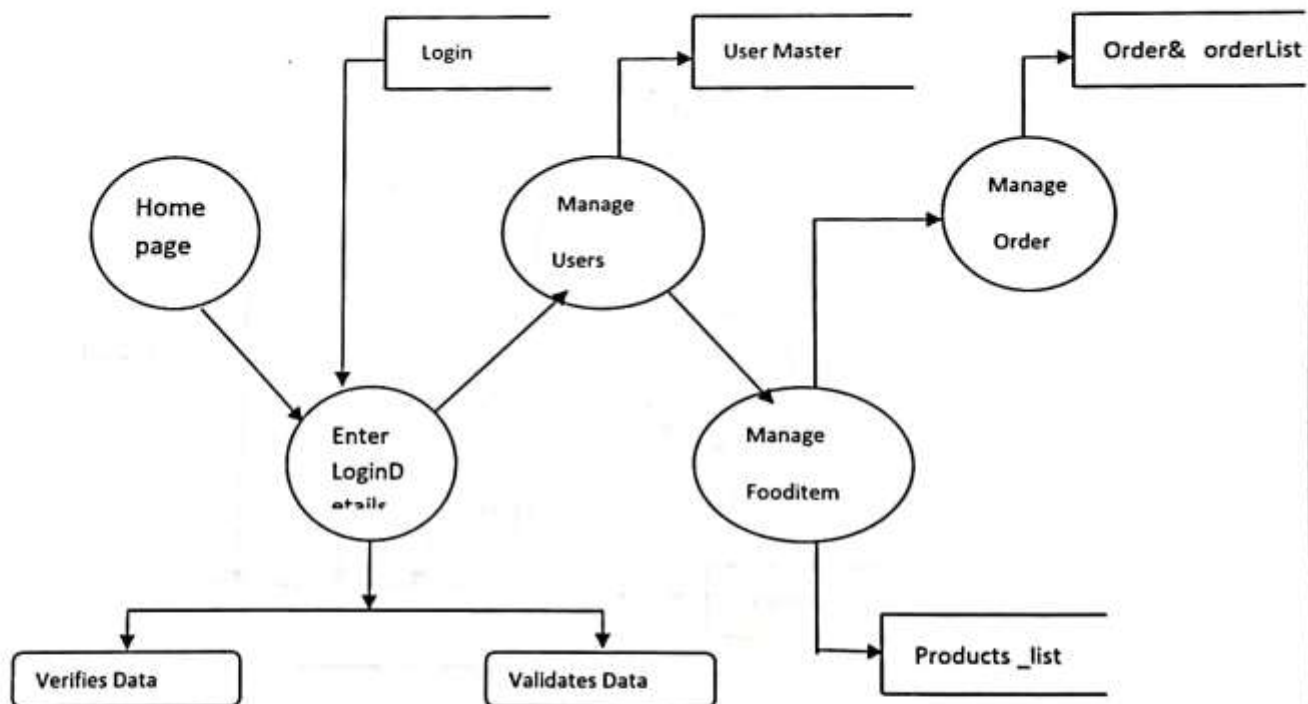
Chapter No 3
System Analysis

3.1 Data flow diagram:-

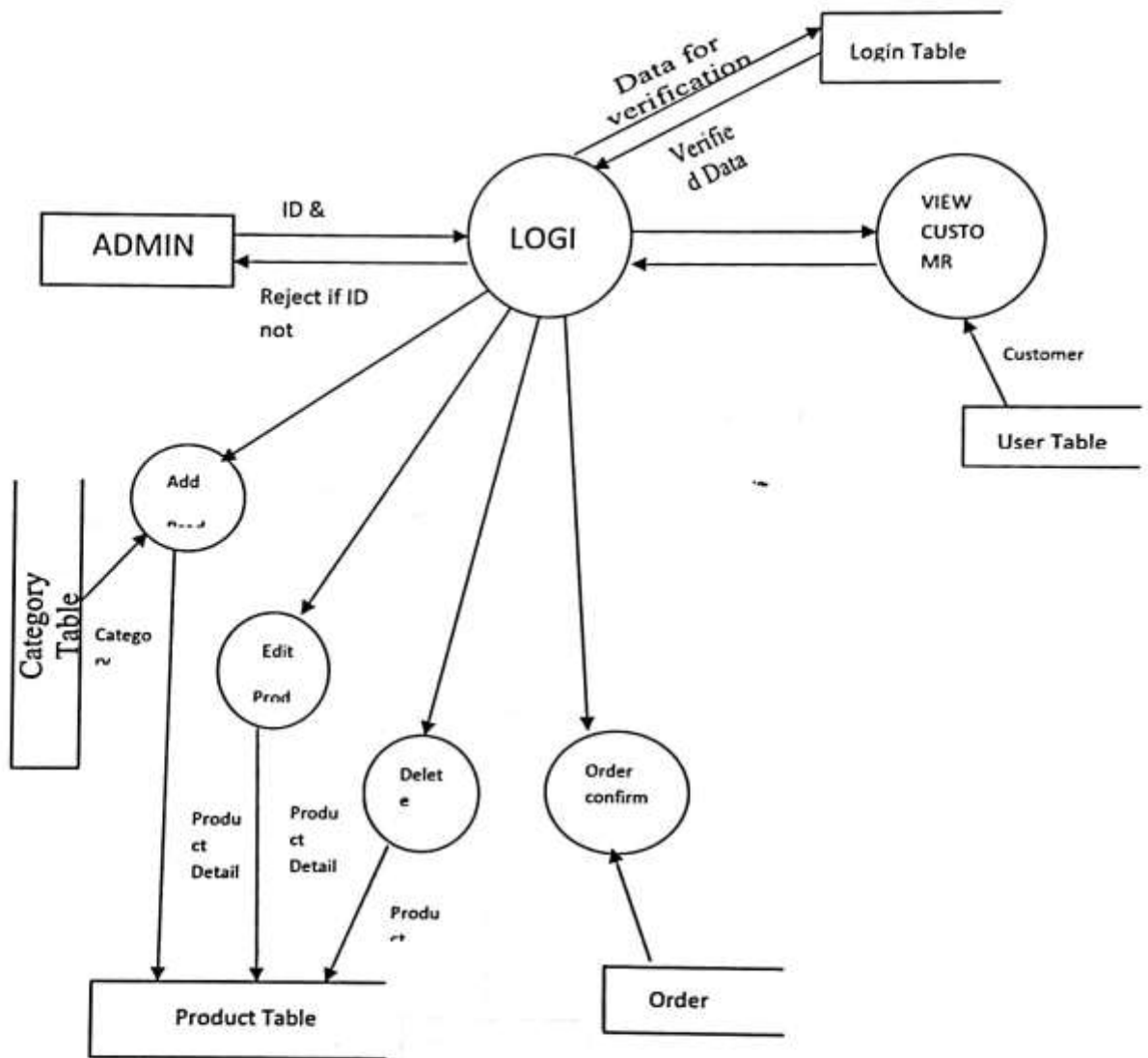
- Context Analysis Diagram:-



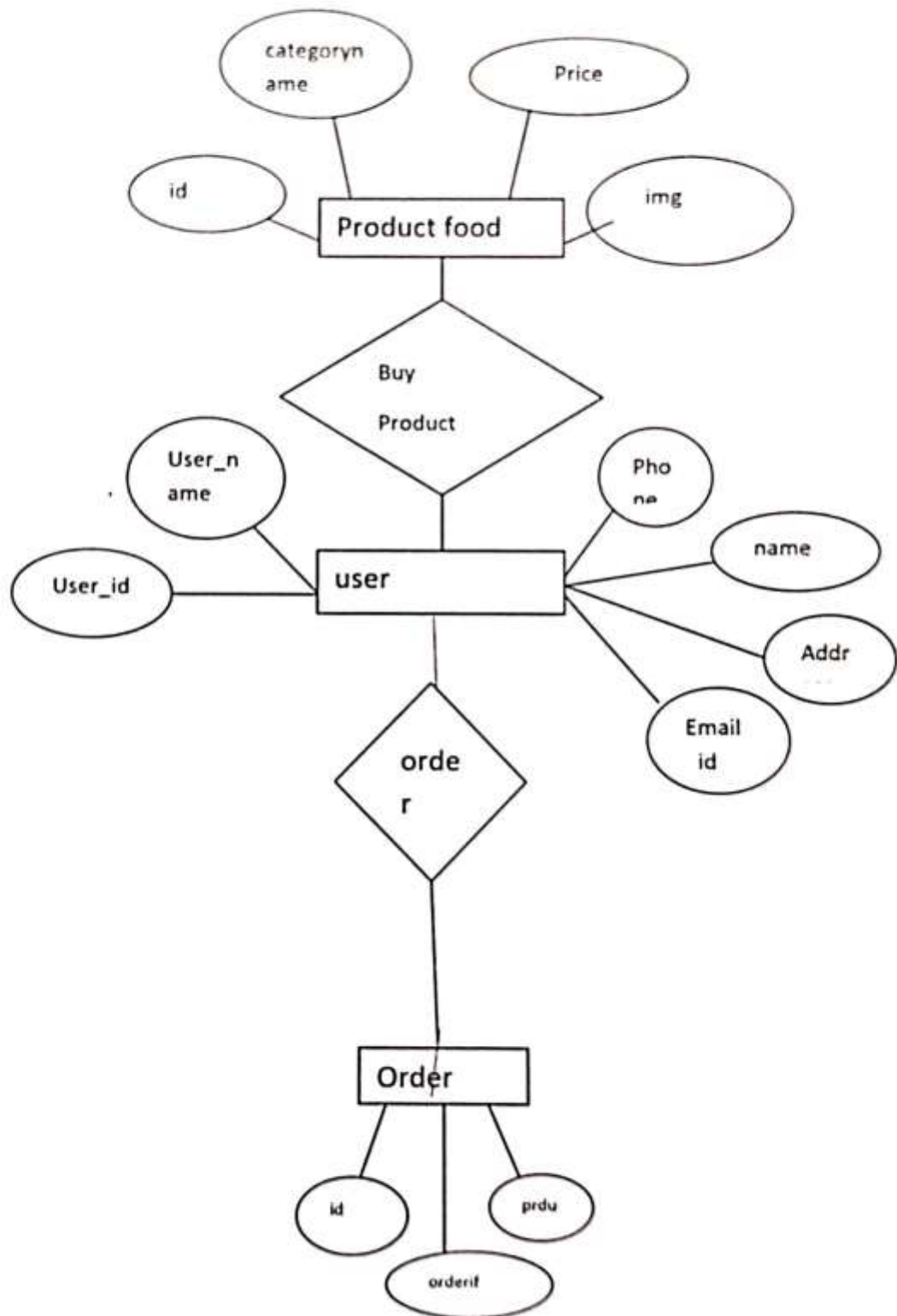
Data flow diagram



Level 1 : DFD for Admin:

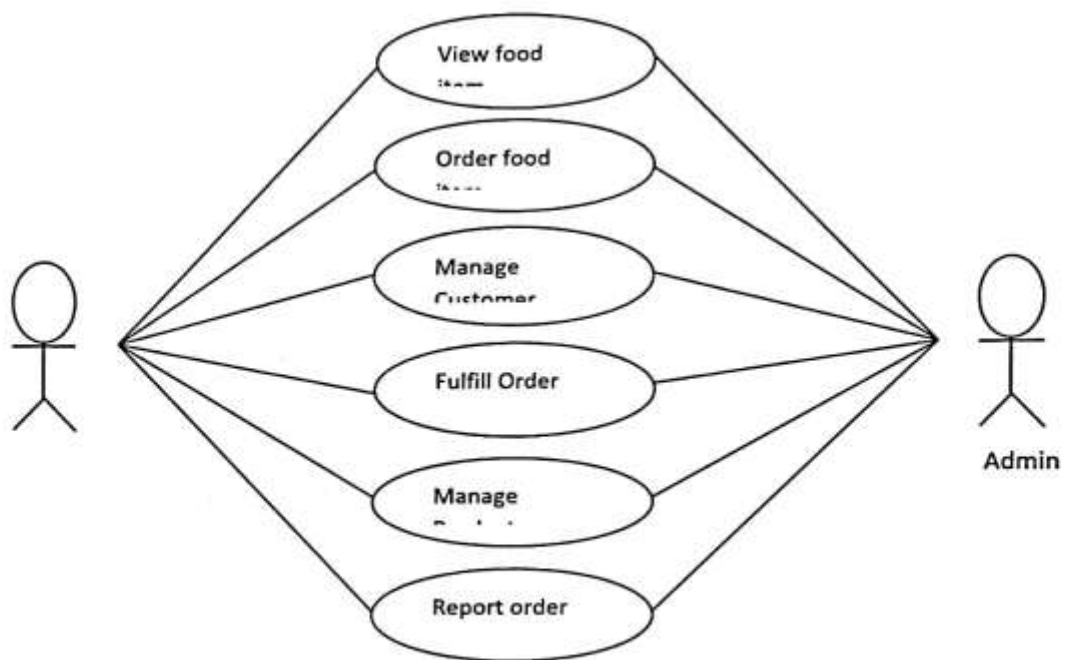


3.2 Entity Relationship Diagram



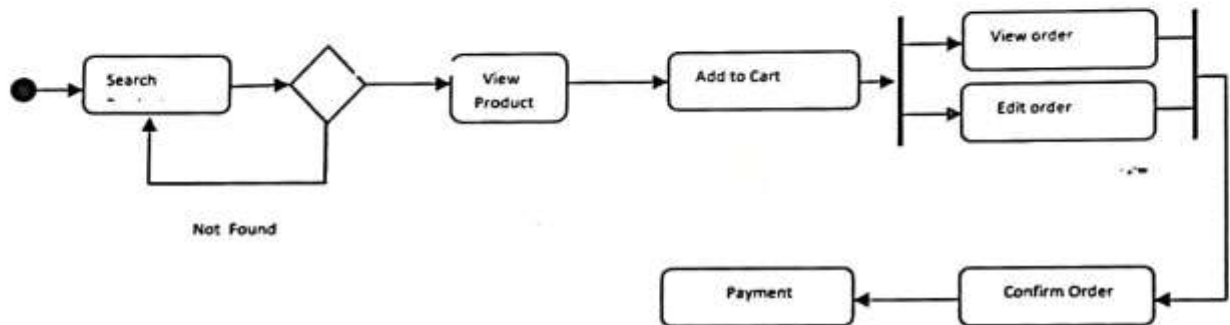
UML Diagram:

UML diagram also called as use case diagram. A use case diagram is a graphic depiction of the interactions among the elements of a system. A use case is a methodology used in system analysis to identify, clarify, and organize system requirements. The actors, usually individuals involved with the system defined according to their roles.



Activity Diagram:

Activity diagrams are graphical representations of workflows of stepwise activities and actions with support for choice, iteration and concurrency. In the Unified Modeling Language, activity diagrams are intended to model both computational and organizational processes.





Chapter No 4
System Design

4.1 Data Dictionary

A database design is a collection of stored data organized in such a way that the data requirements are satisfied by the database. The general objective is to make information access easy, quick, inexpensive and flexible for the user. There are also some specific objectives like controlled redundancy from failure, privacy, security and performance. A collection of relative records make up a table. To design and store data to the needed forms database tables are prepared.

Two essential settings for a database are:

- Primary key: - The field that is unique for all the record occurrences.
- Foreign key: - The field used to set relation between tables. Normalization is a technique to avoid redundancy in the tables.

Table 1: cart

Sr. No.	Field Name	Data Type
1	id	Int
2	Client_ip	Varchar
3	User_id	Int
4	Product_id	Int
5	qty	Int

Table 2 : category

Sr. No.	Field Name	Data Type
1.	id	int
2.	name	varchar

Table 3 : orders

Sr. No.	Field Name	Data Type
1	Id	Integer
2	Name	Varchar
3	Address	Varchar
4	Mobile	Varchar
5	Email	Varchar
6	Status	int

Table 4 : orderlist

Sr. No.	Field Name	Data Type
1	Id	Int
2	Product_id	Int
3	Order_id	Int
4	Qty	Int

Table 5 : product list

Sr. No.	Field Name	Data Type
1	Id	Int
2	Category_id	Int
3	Name	Varchar
4	Description	Varchar
5	Price	Int
6	Img_path	Text
7	Status	int

Table 6 : user

Sr. No.	Field Name	Data Type
1	Id	Int
2	Name	Varchar
3	Username	Varchar
4	Password	Varchar
5	Type	int

Table 7 : user info

Sr. No.	Field Name	Data Type
1	User_id	Integer
2	First_name	Varchar
3	Last_name	Varchar
4	Email	Varchar
5	Password	Varchar
6	Mobile	Varchar
7.	Address	Varchar

4.2 Screenshots:

Client side

Home Page



Select Product



Add to cart

Online Food Ordering System

Home Cart About Login

Cart List

Items	Total	Total Amount
<input type="checkbox"/>  Chicken Unit Price: \$51.00 QTY: <input type="text" value="1"/>	\$51.00	\$51.00

Checkout Summary
Total Amount: \$51.00

Proceed to checkout

Online Food Ordering System


Home Cart About Login

Checkout

Email:



Password:

Create New Account

Items	Total	Total Amount
<input type="checkbox"/>  Chicken Unit Price: \$51.00 QTY: <input type="text" value="1"/>	\$51.00	\$51.00

Login Userid

Online Food Ordering System

Home  Cart About Welcome a a 



Chicken

Sample only

[View](#)



Diet Coke

In Can

[View](#)



Chicken2

[View](#)



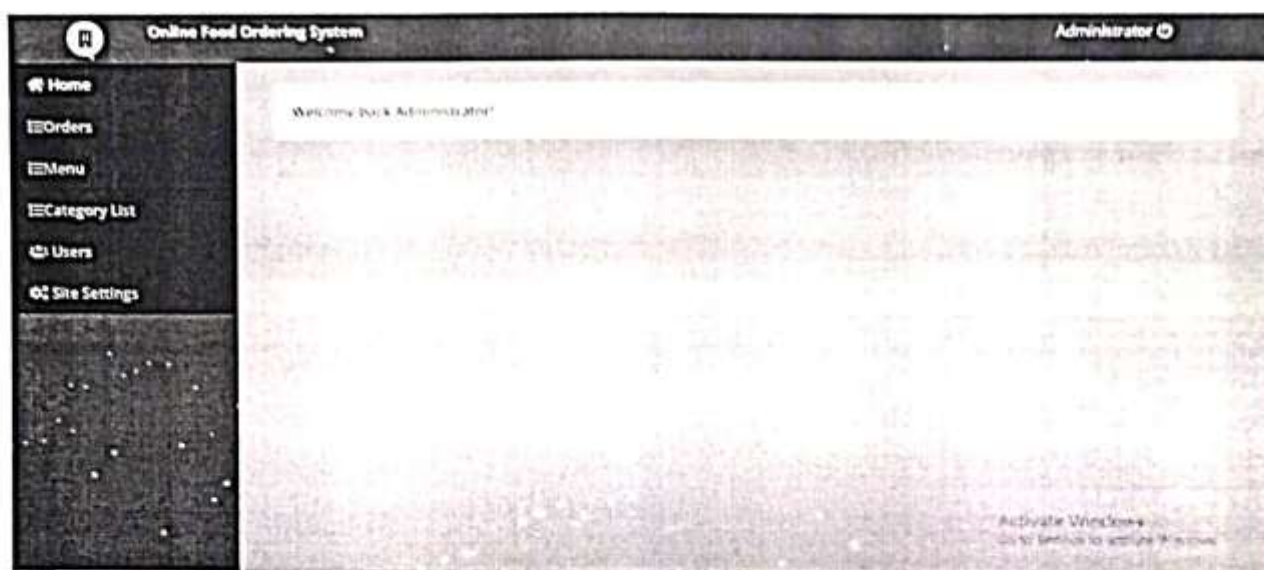
Lemon Iced Tea

Sample only

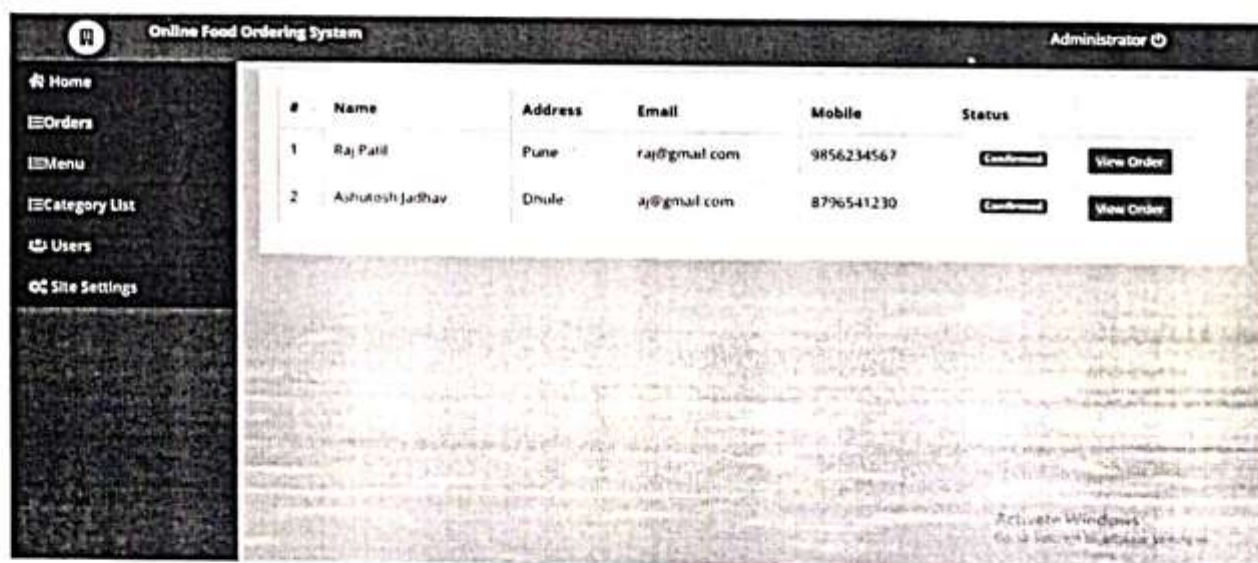
[View](#)

Order successfully added to cart

Admin Page

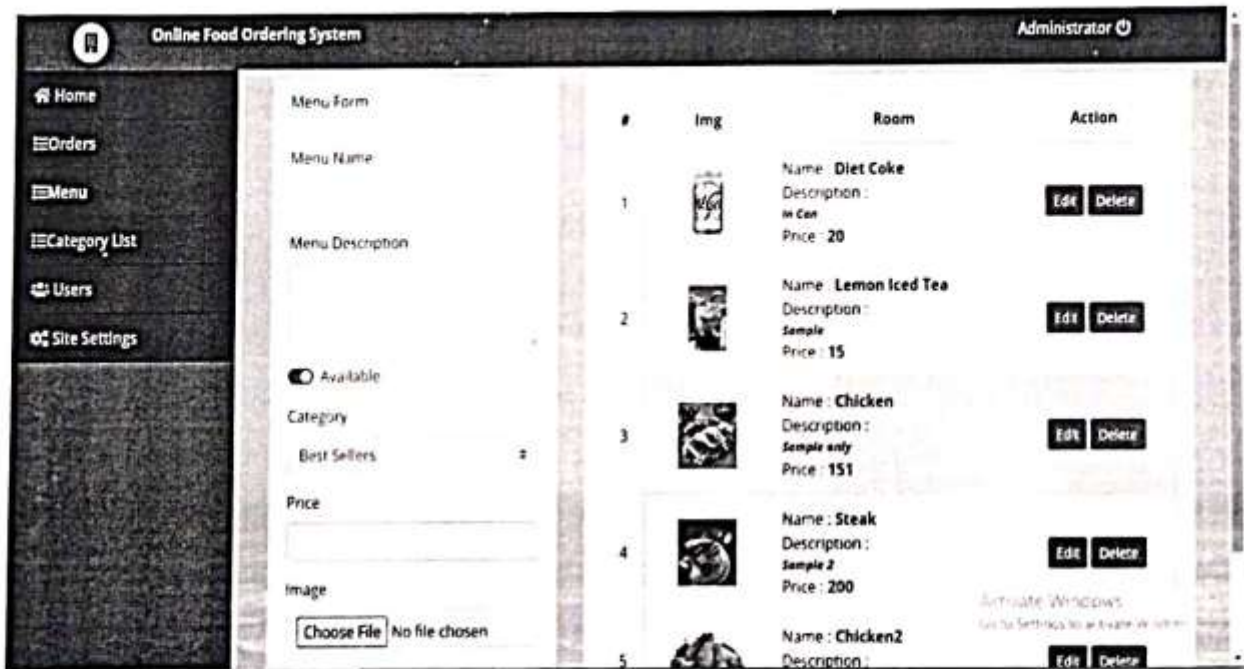


View Order





Add Menu Item



Add category

Online Food Ordering System Administrator

Category form

Category

Save Cancel

ID	Name	Action
1	Beverages	Edit Delete
2	Best Sellers	Edit Delete
3	Meals	Edit Delete
4	Snacks	Edit Delete

Admin Tools > Admin > Add Category

Online Food Ordering System Administrator

New User

Name

Username

Password

User Type

Admin

Save Cancel

Please fill out the form

Admin Tools > Admin > Add User



Chapter No 5

Testing Procedure

Testing, Procedure and Implement

Testing is the process of evaluating a system or its components with the intent to find that whether it satisfies the specified requirements or not. This activity results in the actual, expected and difference between their results. In simple words testing is executing a system in order to identify any gaps, errors or missing requirements in contrary to the actual desire or requirements.

According to ANSI/IEEE 1059 standard, Testing can be defined as “A process of analyzing a software item to detect the differences between existing and required conditions (that is defects/errors/bugs) and to evaluate the features of the software item”.

System implementation:-

Once the physical system has been designed in detail, next step is to turn the design into a working system and then to monitor the operation of the system to ensure that it continuous to work efficiently the implementation state of a project is often very complex and time consuming because the more people are involved them in the earlier stage. Thus parts examined the issues involved.

The phases of system implementation are:-

1. Implementation planning
2. Education and training
3. System testing
4. File set up and conversion
5. Changeover
6. Amendment

◆ **Program Testing and User Acceptance:**

System testing is the stage of implementation, which is aimed at ensuring that the system works accurately and efficiently and effectively before the live operation commences.

A new design system has all the system working order but in reality, each piece works independently. Now is the time to put all the pieces into one system and test it to determine whether it meets the user requirement. This is the last choice to detect and correct errors before the system is installed for user acceptance testing. The purpose of system testing is to consider all the likely variation to which it is subjected and then the system to its limits. System testing makes a logical assumption that if all the parts of the system are correct, the goal will be successfully achieved.

◆ **System Testing Consists of Following Steps:**

1. Program Testing
2. String Testing
3. System Testing
4. System Documentation

ACCEPTANCE PROCEDURE:

The system is completely tested and the training to the user staff is given. The system runs parallel with the current manual system. The result of the computer system and manual system are compared. Users make the analysis of comparison. The result of the comparison is satisfactory and thus the system is accepted by the organization. After the acceptance of the system by the

Organization system related documents are given to them. The information regarding the system password is given to respectively.

POST IMPLEMENTATION REVIEW:

After the system is implemented and conversion is complete a review should be concluded to determine whether the system is meeting expectations and where improvements are needed. System quality, user's confidence and operating statistics are assessed through each technique as event logging impact evaluation, and attitude surveys. The data collection method used during analysis is equally effective during the post implementation review. The review not only assesses how well the current system is designed and implemented, but also is a valuable source of information that can be applied to the next system projects.

Since the computerized system is at the implementation review stage in the future proper care will be taken for satisfaction maintenance of the system and periodic review system enhancement and user satisfaction.

TESTING:-

Ensuring the availability and completeness of all work items needed for correspondence test data and until test of data. It is developed during actual phase design and its purpose is to describe how system criteria established during analysis phase.

Objectives of Testing:-

A) Functional Test:-

Case involved the exercising the code with nominal input values for which expected result is known.

B) Performance Test:-

Determine the amount of execution times spent in various parts of input.

C) Stress Test:-

Stress test is those test design to intentionally break the units. A great deal can be learned about the strength and limitations of the programmer by examining the manner in which the program units break.

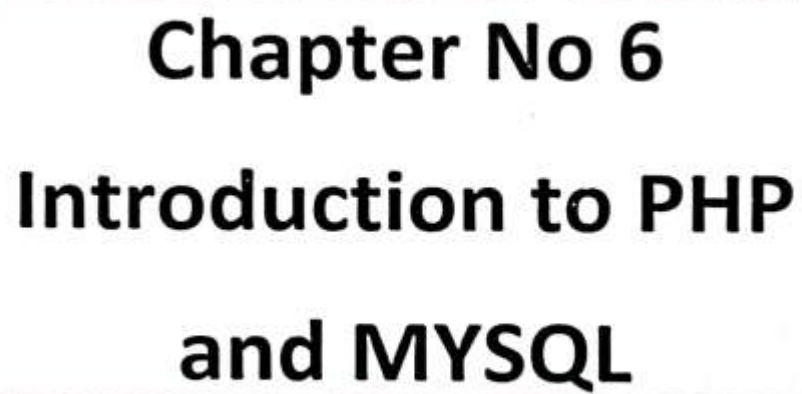
SYSTEM IMPLEMENTATION:-

System testing involves achieving.

- Integration testing
- Acceptance testing

In this phase, the entire system is tested with live data. The result was tested against previous year's manual reports. The system has implemented after successful testing. The user found that the system are very easy to operate and time saving.

Once the physical system has been design in detail, next step is turn the design into a working system and then to monition the operation of the system ensure that it continues to work efficiently the implementation state of a project is often very complex and time consuming because the issues involved.

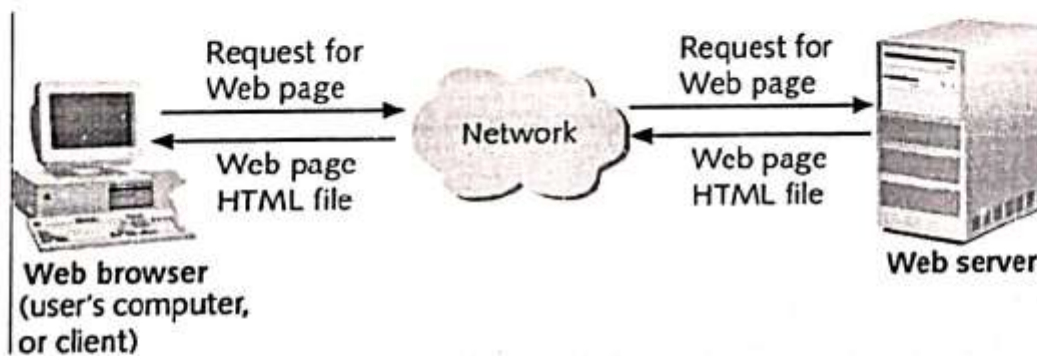


Chapter No 6
Introduction to PHP
and MYSQL

Introduction of PHP

WEB ARCHITECTURE

Website architecture is an approach to the design and planning of websites that involves technical, aesthetic and functional criteria. As in traditional architecture, the focus is on the user and on user requirements. This requires particular attention to web content, the business plan, usability, interaction design, information architecture and web design. It also include deciding technology stack, site map and navigation system of website.



A web architecture is all the technology used to make the web server run this then gives user the ability to be able to view websites via the internet. This works by uploading it onto the web servers. Components that enable the internet to work functionally:-

- Internet Service Provider
- Web Hosting Service
- Domain Main Registrars and Domain Structures
- Worldwide Web

What is PHP?

- PHP is an acronym for "PHP: Hypertext Preprocessor"
- PHP is a widely-used, open source scripting language
- PHP scripts are executed on the server

- PHP is free to download and use
- PHP can collect form data
- PHP can send and receive cookies
- PHP can add, delete, modify data in your database
- PHP can be used to control user-access
- PHP can encrypt data

Why PHP?

- PHP runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.)
- PHP is compatible with almost all servers used today (Apache, IIS, etc.)
- PHP supports a wide range of databases
- PHP is free. Download it from the official PHP resource: www.php.net
- PHP is easy to learn and runs efficiently on the server side

The Structure of a PHP Script

- PHP is an *embedded* scripting language when used in web pages. This means that PHP code is embedded in HTML code. You use HTML tags to enclose the PHP language that you embed in your HTML file — the same way that you would use other HTML tags. You create and edit web pages containing PHP the same way that you create and edit regular HTML pages.
- The PHP language statements are enclosed in PHP tags with the following form:
- `<?php ?>`
- Sometimes you can use a shorter version of the PHP tags. You can try using `<? and ?>` without the `php`. If short tags are enabled, you can save a little typing. However, if you use short tags, your scripts won't run if they're moved to another web host where PHP short tags are not activated.
- PHP processes all statements between the two PHP tags. After the PHP section is processed, it's discarded. Or if the PHP statements produce output, the PHP section is replaced by the output. The browser doesn't see the PHP section — the browser sees only its output, if there is any.

Basic PHP Syntax

- A PHP script can be placed anywhere in the document.
- A PHP script starts with `<?php` and ends with `?>`:
- ```
<?php
// PHP code goes here
?>
```
- The default file extension for PHP files is ".php".
- A PHP file normally contains HTML tags, and some PHP scripting code.

### **Advantages and Disadvantages of PHP:**

PHP is a very popular programming language used to design website. There are more than 20 millions websites designed using PHP. It must have its advantages. Also PHP is not perfect, it has its limitation. Why is PHP so popular? What are the advantages of PHP? What are limitations of PHP?

#### **Advantages of PHP:-**

1. Open source: It is developed and maintained by a large group of PHP developers, this will helps in creating a support community, abundant extension library.
2. Speed: It is relative fast since it uses much system resource.
3. Easy to use: It uses C like syntax, so for those who are familiar with C, it's very easy for them to pick up and it is very easy to create website scripts.
4. Stable: Since it is maintained by many developers, so when bugs are found, it can be quickly fixed.
5. Powerful library support: You can easily find functional modules you need such as PDF, Graph etc.
6. Built-in database connection modules: You can connect to database easily using PHP, since many websites are data/content driven, so we will use database frequently, this will largely reduce the development time of web apps.
7. Can be run on many platforms, including Windows, Linux and Mac, it's easy for users to find hosting service providers.

### **Disadvantages of PHP:-**

1. **Security:** Since it is open sourced, so all people can see the source code, if there are bugs in the source code, it can be used by people to explore the weakness of PHP.
2. **Not suitable for large application:** Hard to maintain since it is not very modular.
3. **Weak Type:** Implicit conversion may surprise unwary programmers and lead to unexpected bugs. For ex., the string "1000" and "1e3" compare equal because they are implicitly cast to floating point numbers.

### **Front End and Back End**

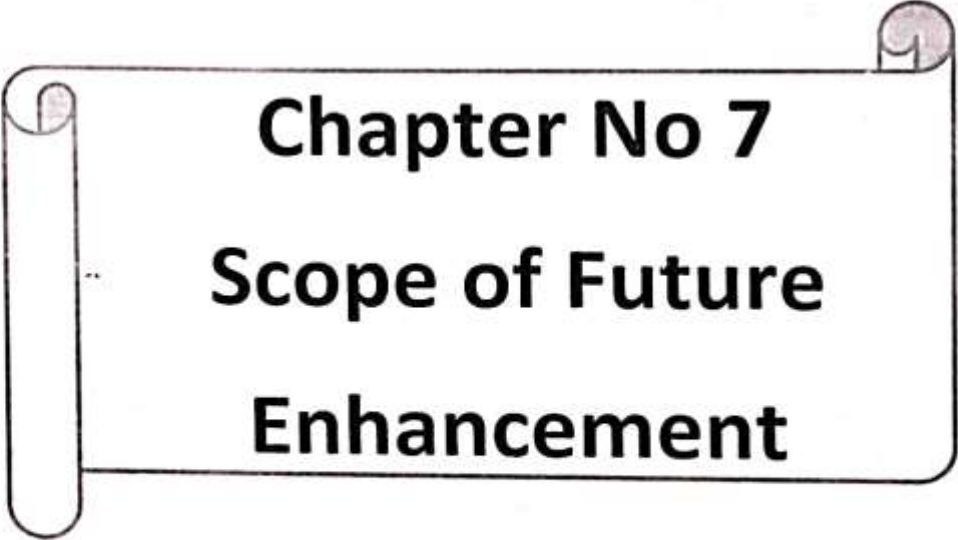
#### **Front-End:**

Web Pages using PHP ,HTML and JavaScript.

- **HTML** – It is used to generate web page. HTML, an initialism of Hypertext Markup Language, is the predominant markup language for web pages. It provides a means to describe the structure of text-based information in a document — by denoting certain text as headings, paragraphs, lists, and so on.
- **JAVASCRIPT** – It is used for checking User information before sending to JavaScript is a scripting language most often used for client-side web development. It is a dynamic, weakly typed, prototype-based language with first-class functions. Currently, "JavaScript" is an implementation of the ECMA Script standard.
- **PHP-Php** is a Technology that lets you mix regular, static HTML with dynamically-generated HTML. Many Web pages that are built by CGI programs are mostly static, with the dynamic part limited to a few small locations. But most CGI variations, including servlets, make you generate the entire page via your program, even though most of it is always the same.

➤ **Backend:**

- **My SQL** is a relational database management system (RDBMS) which has more than 6 million installations. MySQL stands for "My Structured Query Language". The program runs as a server providing multi-user access to a number of databases.
- **Xampp- Apache** is a web container, or application server developed at the Apache Software Foundation (ASF). It adds tools for configuration and management but can also be configured by editing configuration files that are normally XML-formatted. Apache includes its own internal HTTP server.



**Chapter No 7**  
**Scope of Future**  
**Enhancement**

## **Future Scope**

The project has a wide scope. Our project mainly helps in improving productivity and makes use of utilization of resources. There is no duplication of work as this was not the case when done manually. Thus it reduces labor and increases morale. The system intends user friendly operations which may resolve ambiguity. The project is a total management and informative system, which provides the up- to-date information of all the employee in the company. Our system also help the college to overcome the difficulty in keeping records of hundreds of sale and searching for a product. It helps in effective and timely utilization of resources. The project facilitates user friendly, reliable and fast management system. They need not concentrate on record keeping. The company can maintain computerized records thus reducing paper work, time and money.

## **Scope for Future Enhancement**

- The application developed is very flexible and scalable. Some other features such easier comprehensive faster application development and other accepts are also included.
- In some way template can be created from various policies for the organization and government rules proposed enhancement we can provided.
- We will include advance account configure.
- We will include data import and export to the our module.
- In this system we use statistical and growth report for output so in future we want to use crystal report for better output and formatting.
- After the implementation of the system they were satisfied with our work they assured us that whenever they will required any need of any other module. In the future they would prefer us.
- They were highly satisfied with the user training as well as documentation prepared by us.



### **Strength of System:**

- Platform independent
- User friendly
- Graphical user interface
- Easy to customize
- System administration module provides rights to user to create new user, to assign new roles to user, to assign new privileges to user.
- Multiple users can access system simultaneously without loss of data.
- Both local and dollar currencies are used.
- Due to thin driver connectivity speed is improved.
- User can post operation charges to ledger account.

### **Limitations of System:**

- The system depends somewhat on the network speed.
- There is need to improve presentation layer.
- Pure object orientation is not implemented.



# **Chapter No 8**

## **Bibliography**

### **8.1 Websites:**

- 1) [www.php.com](http://www.php.com)
- 2) [www.w3school.com](http://www.w3school.com)
- 3) [www.tutorialspoint.com](http://www.tutorialspoint.com)

### **8.2 Books**

- .PHP and MySql by W Jason Gilmore, A press Publication
- Fundamentals of Software Engineering by RAJIB MALL
- PHP And MySQL Development by Laura Thomson And Luke Welling.
- Learning PHP, MySQL And JavaScript by Robin Nixon.
- The Complete Reference- MySQL by VikramVaswami.
- The Complete Reference HTML & CSS by Thomas Powell.

**NORTH MAHARASHTRA UNIVERSITY, JALGAON**



'A' Grade NAAC Re-Accredited (3rd Cycle)

**Faculty of Science and Technology  
Syllabus**

**BACHELOR IN COMPUTER APPLICATION (BCA)**

**With effect from June- 2017-18**



# **NORTH MAHARASHTRA UNIVERSITY, JALGAON**

## **BACHELOR IN COMPUTER APPLICATION STRUCTURE**

### **(W.E.F. June 2017)**

**Course Name:** Bachelor in Computer Application

**Short Title of Degree:** B C A

**Faculty to which assigned:** Science and Technology

**Duration:** 3 years full time

**Pattern:** Semester

**Examination Pattern:** 60 (External) + 40 (Internal)

**No of paper per semester:** 4 Theory + 3 Practical

**Eligibility:** Passed Higher Secondary Examination in Any Stream

**OR**

Diploma recognized by Board of Technical Education with minimum Duration of 3 years

**Medium of Instruction:** English

#### **Objectives:**

- BCA COURSE strives to create outstanding computer professionals with ethical and human values to reshape the nation's destiny. This programme aims to prepare young minds for the challenging opportunities in the IT industry, nourished and supported by experts in the fields.
- The BCA Course aims at inculcating essential skills as demanded by the global software industry through interactive learning process. This also includes team-building skills, audio- visual presentations and personality development programmes.
- The programme enhances analytical, managerial and communication skill besides inculcating the virtues of self-study. The Curriculum has been designed to cater to the ever changing demands of information technology along with necessary inputs from the Industry.

The OBJECTIVE of the course is to develop skilled manpower in the various areas of software industry and Information Technology.



**COURSE STRUCTURE**  
**Bachelor Of Computer Application (BCA)**  
w.e.f. –Academic Year 2017-18

**First Year BCA - (Sem I & II) w.e.f. - July 2017-18**

| <b>Paper</b> | <b>Semester -I</b>                | <b>Paper</b> | <b>Semester –II</b>                     |
|--------------|-----------------------------------|--------------|-----------------------------------------|
| BCA 101      | Foundation Course for Managers    | BCA 201      | Financial Accounting                    |
| BCA 102      | Computer Fundament and Networking | BCA 202      | Professional Communication              |
| BCA 103      | Essential of Web Design I         | BCA 203      | Essential of Web Design II              |
| BCA 104      | Programming In C                  | BCA 204      | Programming In C++                      |
| BCA 105      | Practical on Computer & Internet  | BCA 205      | Practical on Professional Communication |
| BCA 106      | Practical on Web Design-I         | BCA 206      | Practical on Web Design-II              |
| BCA 107      | Practical on C Programming        | BCA 207      | Practical on C++ Programming            |

**Second Year BCA - (Sem III & IV) w.e.f. - July 2018-19**

| <b>Paper</b> | <b>Semester -III</b>                    | <b>Paper</b> | <b>Semester –IV</b>                      |
|--------------|-----------------------------------------|--------------|------------------------------------------|
| BCA 301      | Mathematics and Statistics for Managers | BCA 401      | Introduction to Information System Audit |
| BCA 302      | Management Information System           | BCA 402      | RDBMS                                    |
| BCA 303      | Java Programming                        | BCA 403      | C#.NET                                   |
| BCA 304      | Linux Operating System                  | BCA 404      | Data Structure                           |
| BCA 305      | Practical on Java                       | BCA 405      | Practical on C#.NET                      |
| BCA 306      | Practical on Linux                      | BCA 406      | Practical on RDBMS using Oracle          |
| BCA 307      | Practical on Tally ERP                  | BCA 407      | Practical on Data Structure using CPP    |

**Third Year BCA - (Sem V & VI) w.e.f. - July 2019-20**

| <b>Paper</b> | <b>Semester –V</b>                                        | <b>Paper</b> | <b>Semester -VI</b>               |
|--------------|-----------------------------------------------------------|--------------|-----------------------------------|
| BCA 501      | Entrepreneurship Development                              | BCA 601      | E-Commerce & M-Commerce           |
| BCA 502      | Cyber Security                                            | BCA 602      | Cloud Computing                   |
| BCA 503      | ASP.NET                                                   | BCA 603      | Android Application Development   |
| BCA 504      | Software Engineering                                      | BCA 604      | Server Side Scripting using PHP   |
| BCA 505      | Practical on ASP.Net                                      | BCA 605      | Practical on Android &PHP         |
| BCA 506      | Practical on CASE Tool with MS-VISIO and Software Testing | BCA 606      | Practical on Employability Skills |
| BCA 507      | Field Work on IT Project Assessment                       | BCA 607      | Project Report and Viva           |

# **NORTH MAHARASHTRA UNIVERSITY, JALGAON**

**'A' Grade NAAC Re-Accredited**

**FACULTY OF COMMERCE & MANAGEMENT**



## **Structure, Equivalence and Syllabus of Bachelor in Business Administration (BBA)**

**(Semester 60-40 Pattern)**

**With effect from June- 2017-18**



# STRUCTURE

## **First Year BBA– ( Sem I & II ) w.e.f.2017-18**

| <b>Paper</b> | <b>Semester I</b>                        | <b>Paper</b> | <b>Semester II</b>                                             |
|--------------|------------------------------------------|--------------|----------------------------------------------------------------|
| A1.1         | Principles of Management                 | A2.1         | Organizational Behavior                                        |
| A1.2         | Principles of Economics                  | A2.2         | Managerial Economics                                           |
| A1.3         | Professional Communication               | A2.3         | Business Ethics and Corporate Governance                       |
| A1.4         | Fundamentals of Accounting               | A2.4         | Financial Accounting and Costing                               |
| A1.5         | Information Technology for Business      | A2.5         | Marketing Management                                           |
| A1.6         | Practicals on Professional Communication | A2.6         | Practicals on Web Designing & Publishing                       |
| A1.7         | Practicals on Office Automation          | A2.7         | Practicals on Management-<br>"Learnings from Business Leaders" |

## **Second Year BBA– ( Sem III & IV ) w.e.f.2018-19**

| <b>Paper</b> | <b>Semester III</b>                                | <b>Paper</b> | <b>Semester IV</b>                |
|--------------|----------------------------------------------------|--------------|-----------------------------------|
| A3.1         | Mathematics and Statistics for Managers            | A4.1         | Business Research Methods         |
| A3.2         | Corporate Accounting & Costing                     | A4.2         | Direct & Indirect Taxes in India  |
| A3.3         | Business & Corporate Laws                          | A4.3         | Human Resource Management         |
| A3.4         | Management of Small Scale Industries               | A4.4         | Production & Materials Management |
| A3.5         | Management Information Systems & ERP               | A4.5         | Financial Management              |
| A3.6         | Practicals on Management of Small Scale Industries | A4.6         | Practicals on Tally ERP           |
| A3.7         | Practicals on Advanced Excel                       | A4.7         | Practicals on Tax Base Software   |





## Third Year BBA– ( Sem V & VI ) w.e.f.2019-20

| Paper   | Semester V                                      | Paper   | Semester VI                                     |
|---------|-------------------------------------------------|---------|-------------------------------------------------|
| A5.1    | International Business Management               | A6.1    | Management of Services                          |
| A5.2    | Entrepreneurship Development                    | A6.2    | Family Business Management                      |
| A5.3    | Case Studies in Management                      | A6.3    | Cyber Security & Laws                           |
|         | Elective Group-(A)<br>Financial Management      |         | Elective Group-(A)<br>Financial Management      |
| A5.4(A) | Banking and Insurance                           | A6.4(A) | Auditing Practices                              |
| A5.5(A) | Capital, Money and Commodity Market             | A6.5(A) | Investment Banking                              |
|         | Elective Group-(B)<br>Marketing Management      |         | Elective Group-(B)<br>Marketing Management      |
| A5.4(B) | Customer Relationship Management                | A6.4(B) | e-commerce and Digital Marketing                |
| A5.5(B) | Retail Management                               | A6.5(B) | Product and Brand Management                    |
|         | Elective Group-(C)<br>Human Resource Management |         | Elective Group-(C)<br>Human Resource Management |
| A5.4(C) | Recruitment and Selection                       | A6.4(C) | Training & Development                          |
| A5.5(C) | Industrial Relations                            | A6.5(C) | Performance Management                          |
| A5.6    | Practicals on Employability Skills-I            | A6.6    | Practicals on Employability Skills-II           |
| A5.7    | Practicals based on e-Commerce                  | A6.7    | Project Report based on Elective Group          |



**Kavayitri Bahinabai Chaudhari North  
Maharashtra University, Jalgaon**  
'A' Grade NAAC Re-Accredited (3rd Cycle)



**FACULTY OF COMMERCE AND MANAGEMENT**

**Structure, Equivalence and Syllabus of  
Master of Management Studies  
(Computer Management)  
M.M.S. (C.M.)  
(CBCS Pattern)  
(w.e.f.: 2021-22)**

**Choice Based Credit System  
(Outcome Based Curriculum)**



# Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

'A' Grade NAAC Re-Accredited (3rd Cycle)

FACULTY OF COMMERCE & MANAGEMENT

Structure of

Master of Management Studies (Computer Management) - MMS (CM) (CBCS) w.e.f. 2021-22 , Semester - I

| Course Code   | Course Type         | Title of the Course                                   | Contact hours/week |           |           | Distribution of Marks for Examination |            |          |    |       |            | Credits   |
|---------------|---------------------|-------------------------------------------------------|--------------------|-----------|-----------|---------------------------------------|------------|----------|----|-------|------------|-----------|
|               |                     |                                                       |                    |           |           | Internal                              |            | External |    | Total |            |           |
|               |                     |                                                       | Th(L)              | Pr        | Total     | Th                                    | Pr         | Th       | Pr | Th    | Pr         |           |
| 1.1           | Core                | Principles of Management                              | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 1.2           | <b>Skill Based</b>  | Financial Accounting                                  | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 1.3           | Core                | Web Designing and Web Authoring Tools                 | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 1.4           | Core                | ICT fundamentals & Office Automation                  | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 1.5           | Core                | Programming in C                                      | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 1.6           | <b>Skill Based</b>  | Lab I-Practical on Tally ERP & Web Designing          | 04                 | --        | 04        | --                                    | 40         | --       | 60 | --    | 100        | 04        |
| 1.7           | <b>Skill Based</b>  | Lab II-Practical on Office Automation & C Programming | 04                 | --        | 04        | --                                    | 40         | --       | 60 | --    | 100        | 04        |
| <b>AC-101</b> | <b>Audit Course</b> | <b>Practicing Cleanliness</b>                         |                    | <b>02</b> | <b>02</b> |                                       | <b>100</b> | --       | -- | --    | <b>100</b> | <b>02</b> |



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FACULTY OF COMMERCE & MANAGEMENT

Structure of

Master of Management Studies (Computer Management) - MMS (CM) (CBCS) w.e.f. 2021-22 , Semester – II

| Course Code   | Course Type                         | Title of the Course                                                                                                                     | Contact hours/week |           |           | Distribution of Marks for Examination |            |          |    |       |            | Credits   |
|---------------|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|-----------|---------------------------------------|------------|----------|----|-------|------------|-----------|
|               |                                     |                                                                                                                                         |                    |           |           | Internal                              |            | External |    | Total |            |           |
|               |                                     |                                                                                                                                         | Th(L)              | Pr        | Total     | Th                                    | Pr         | Th       | Pr | Th    | Pr         |           |
| 2.1           | <b>Skill Based</b>                  | Communication Skills                                                                                                                    | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 2.2           | Core                                | Management Information System                                                                                                           | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 2.3           | Core                                | System Analysis and Design                                                                                                              | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 2.4           | Core                                | RDBMS                                                                                                                                   | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 2.5           | Core                                | Object Oriented Programming using C++                                                                                                   | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 2.6           | <b>Skill Based</b>                  | Lab III-Practical on RDBMS                                                                                                              | 04                 | --        | 04        | --                                    | 40         | --       | 60 | --    | 100        | 04        |
| 2.7           | <b>Skill Based</b>                  | Lab IV-Practical on C++                                                                                                                 | 04                 | --        | 04        | --                                    | 40         | --       | 60 | --    | 100        | 04        |
| <b>AC-201</b> | <b>Audit Course</b><br>(Choose One) | <b>Personality and Cultural Development</b><br>AC-201A - Soft Skills<br>AC-201B - Sport Activities<br>AC-201C - Yoga<br>AC-201D - Music |                    |           |           |                                       |            |          |    |       |            |           |
|               |                                     |                                                                                                                                         |                    | <b>02</b> | <b>02</b> |                                       | <b>100</b> | --       | -- | --    | <b>100</b> | <b>02</b> |



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FACULTY OF COMMERCE & MANAGEMENT

Structure of

Master of Management Studies (Computer Management) - MMS (CM) (CBCS) w.e.f. 2022-23 , Semester – III

| Course Code   | Course Type         | Title of the Course                                                                                                                    | Contact hours/week |    |           | Distribution of Marks for Examination |    |          |            |           |           | Credits   |            |           |
|---------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------|----|-----------|---------------------------------------|----|----------|------------|-----------|-----------|-----------|------------|-----------|
|               |                     |                                                                                                                                        |                    |    |           | Internal                              |    | External |            | Total     |           |           |            |           |
|               |                     |                                                                                                                                        | Th(L)              | Pr | Total     | Th                                    | Pr | Th       | Pr         | Th        | Pr        |           |            |           |
| 3.1           | Core                | CRM & Digital Marketing                                                                                                                | 04                 | -- | 04        | 40                                    | -- | 60       | --         | 100       | --        | 04        |            |           |
| 3.2           | Core                | Cyber Security and IT Act                                                                                                              | 04                 | -- | 04        | 40                                    | -- | 60       | --         | 100       | --        | 04        |            |           |
| 3.3           | <b>Skill Based</b>  | Graphics & Animation                                                                                                                   | 04                 | -- | 04        | 40                                    | -- | 60       | --         | 100       | --        | 04        |            |           |
| 3.4           | Core                | Web Scripting with PHP and MySQL                                                                                                       | 04                 | -- | 04        | 40                                    | -- | 60       | --         | 100       | --        | 04        |            |           |
| 3.5           | Core                | C#.NET Programming                                                                                                                     | 04                 | -- | 04        | 40                                    | -- | 60       | --         | 100       | --        | 04        |            |           |
| 3.6           | <b>Skill Based</b>  | Lab V-Practical on Graphics & Animation & PHP                                                                                          | 04                 | -- | 04        | --                                    | 40 | --       | 60         | --        | 100       | 04        |            |           |
| 3.7           | <b>Skill Based</b>  | Lab VI-Practical on C#.Net Programming                                                                                                 | 04                 | -- | 04        | --                                    | 40 | --       | 60         | --        | 100       | 04        |            |           |
| <b>AC-301</b> | <b>Audit Course</b> | <b>Technology + Value Added Courses</b><br>AC-301A - Computer Skills<br>AC-301B - Cyber Security<br>AC-301C - Seminar + Review Writing |                    |    |           |                                       |    |          |            |           |           |           |            |           |
|               |                     |                                                                                                                                        |                    |    | <b>02</b> | <b>02</b>                             |    |          | <b>100</b> | <b>--</b> | <b>--</b> | <b>--</b> | <b>100</b> | <b>02</b> |



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FACULTY OF COMMERCE & MANAGEMENT

Structure of

Master of Management Studies (Computer Management) - MMS (CM) (CBCS) w.e.f. 2022-23 , Semester - IV

| Course Code   | Course Type         | Title of the Course                                                                                                                                                                             | Contact hours/week |           |           | Distribution of Marks for Examination |            |          |    |       |            | Credits   |
|---------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------|-----------|---------------------------------------|------------|----------|----|-------|------------|-----------|
|               |                     |                                                                                                                                                                                                 |                    |           |           | Internal                              |            | External |    | Total |            |           |
|               |                     |                                                                                                                                                                                                 | Th(L)              | Pr        | Total     | Th                                    | Pr         | Th       | Pr | Th    | Pr         |           |
| 4.1           | Core                | Human Resource Management                                                                                                                                                                       | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 4.2           | Core                | E-commerce and M-commerce                                                                                                                                                                       | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 4.3           | Core                | Internet Computing with ASP.NET                                                                                                                                                                 | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 4.4           | Core                | Java Programming                                                                                                                                                                                | 04                 | --        | 04        | 40                                    | --         | 60       | -- | 100   | --         | 04        |
| 4.5           | <b>Skill Based</b>  | Project Work                                                                                                                                                                                    | 04                 | --        | 04        | --                                    | 40         | --       | 60 | --    | 100        | 04        |
| 4.6           | <b>Skill Based</b>  | Lab VII-Practical on ASP.NET                                                                                                                                                                    | 04                 | --        | 04        | --                                    | 40         | --       | 60 | --    | 100        | 04        |
| 4.7           | <b>Skill Based</b>  | Lab VIII-Practical on Java Programming                                                                                                                                                          | 04                 | --        | 04        | --                                    | 40         | --       | 60 | --    | 100        | 04        |
| <b>AC-401</b> | <b>Audit Course</b> | <b>Professional and Social Value Added Courses</b><br>AC-401A - Human Rights<br>AC-401B - Current Affairs<br>AC-401C - Seminar + Review Writing<br>AC-401D - Intellectual Property Rights (IPR) |                    | <b>02</b> | <b>02</b> |                                       | <b>100</b> | --       | -- | --    | <b>100</b> | <b>02</b> |

