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AISHE Code:- C-22358

प्रोजेक्ट कार्य विवरण

विषय— पर्यावरण एवं मानवाधिकार

कक्षा— बी.ए.प्रथम वर्ष 2020-21

कमांक	किये गये प्रोजेक्ट कार्य का विषय
01—25	जल प्रदूषण
26—50	वायु प्रदूषण
51—75	ध्वनि प्रदूषण
76—100	मिट्टी प्रदूषण
101—125	वन संरक्षण
126—150	ग्लोबल वार्मिंग
151—175	कोविड—19 का पर्यावरण पर प्रभाव का अध्ययन
176—200	आर्गेनिक खाद पर लेख

(Dr.Manju Pandey)
In-Charge EVS

(Dr. R. K. Verma)
PRINCIPAL
Govt. Mata, Shabari Naveen Girls PG
College, Bilaspur (Bilaspur(C.G.)

प्रोजेक्ट कार्य विवरण

विषय– पर्यावरण एवं मानवाधिकार

कक्षा– बी.कॉम.प्रथम वर्ष २०२०-२१

कमांक	किये गये प्रोजेक्ट कार्य का विषय
01—25	जल प्रदूषण एवं नियंत्रण
26—50	वायु प्रदूषण एवं नियंत्रण
51—75	ध्वनि प्रदूषण एवं नियंत्रण
76—100	मिट्टी प्रदूषण एवं नियंत्रण

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प्रोजेक्ट कार्य विवरण

विषय— पर्यावरण एवं मानवाधिकार

कक्षा— बी.सी.ए.प्रथम वर्ष 2020-21

कमांक	किये गये प्रोजेक्ट कार्य का विषय
01—10	जल प्रदूषण एवं नियंत्रण
10—19	वायु प्रदूषण एवं नियंत्रण

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AISHE Code:- C-22358

Session-2020-21
Class- PGDCA

S.No.	Students Name	Project Title
01	KAVITA PATEL	MEDICAL STORE MANAGMENT
02	DURGESHWARI PATEL	
03	DIPALI NIRMALKAR	BOOK SHOP MANAGMENT
04	GOURI JAGAT	
05	KAMLESH SAH	EMPLOYEE MANAGMENT
06	ANURADHA SINGH	
07	PRIYA SHARMA	EMPLOYEE DATABASE & PAYROLL MANAGMENT SYSTEM
08	CHANDANI DEWANGAN	
09	LALITA SAHU	CANTEEN MANAGMENT SYSYTEM
10	NEERA SAHU	
11	POOJA LODHI	LIBRARY MANAGMENT
12	SANGITA SURYAWANSHI	
13	PRIYANKA BHAGAT	ATTENDANCE MANAGMENT SYSTEM
14	SONIYA BHAGAT	
15	SAMIKSHA TIWARI	SCHOOL MANAGMENT
16	DIVYA SAHU	
17	SHEEBA JAISWAL	HOSPITAL MANAGMENT
18	LATA SAHU	
19	SONAL KHUTE	INCOM TAX CACULATION SYSTEM
20	SHRADHA PATEL	
21	POONAM	BOOK MANAGMENT SYSTEM
22	ABHA KESHAR	
23	KIRAN TIWARI	STUDENT REPORT CARD MANAGMENT
24	MONIKA DEWANGAN	
25	GEETA SINGH	HOTEL MANAGMENT
26	SWETA SAHU	
27	SEEMA	ONLINE FEES PAYMENT
28	SANTOSHI SAHU	
29	MAMTA	SYSTEM ANALYSIS & DESIGN
30	YOGESHWARI TARWAR	

(Dr. R. K. Verma)
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AISHE Code:- C-22358

Session-2020-21
Class- BCA Final Year

S.No.	Students Name	Project Title
01	AAKANSHA GHARDE	CAR SHOP MANAGEMENT
02	SEEMA	
03	AARTI KANWAR	HOSPITAL MANAGMENT
04	AKANSHA SAHU	
05	ANKITA SHUKLA	LIBRARY MANAGEMENT
06	PRACHI PATHAK	
07	CHITRA SAHU	ONLINE BILL PAYMENT
08	KIRAN GUPTA	
09	DIVYA SAHU	BEAUTY SPA
10	POOJA SINGH	
11	MAHIMA JAISWAL	MEDICAL MANAGMENT
12	SHALINI	
13	NAIMA BEGUM	ONLINE SHOPPING STORE
14	RAJNI YADAV	
15	PRIYA KOSHLE	ONLINE BANKING SYSYTEM
16	SUREKHA NISHAD	
17	SAKSHI TIWARI	JOB PORTAL
18	KANCHAN SARAF	
19	SATYA	COLLEGE MANAGMENT SYSTEM

(Dr. R. K. Verma)
Principal
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College, Bilaspur(C.G.)

Govt.Mata Shabari Naveen Girls PG College, Bilaspur(C.G.)
Department of Arts (B.A.-I)
Academic Session 2020-21
Environment Project   List of student 2020-21

SN	CNAME
1	AAKANKSHA DEWANGAN
2	AAKANKSHA PRAJAPATI
3	AANCHAL SAHU
4	AARTI KACHHWAHA
5	AARTI SAHU
6	AARTI SAHU
7	AARTI SINGH CHOUHAN
8	AARUSHI
9	AKANKSHA KAUSHIK
10	AKRITI DHURI
11	ANJALI DEWANGAN
12	ANJALI GUPTA
13	ANJALI MANIKPURI
14	ANJALI SURYAVANSHI
15	ANJANI
16	ANJANI YADAV
17	ANJU SAHU
18	ANNAPURNA
19	ANNAPURNA KENWAT
20	ANNU KORI
21	ANURADHA VISHWAKARMA
22	ANUSHKA KURREY
23	ANUSHKA SONI
24	AMBIKA KAIWART
25	APURVA MISHRA
26	ARTI KAIWART
27	ARTI SAHU
28	Arti Talreja
29	BHARTI SAHU
30	BHAWNA SAHU
31	CHANCHAL PATEL
32	CHANDANI PATEL
33	DAMINI DAHRE
34	DEEPALI DEWANGAN
35	DEEPSHIKHA
36	DIPIKA VISHVAKARMA
37	GEETA SAHU
38	GEETANJALI SAHU
39	GITIKA YADAV
40	GOURI GANDHARV
41	HEMA KASHYAP
42	HEMLATA
43	HEMLATA DEWANGAN

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Bilaspur (C.G.)

44	HEMLATA MOURYA
45	HEMLATA SAHU
46	JAGRITI SHRIWAS
47	Jyoti Dewangan
48	JYOTI SURYAVANSHI
49	KALYANI LASKAR
50	KALYANI NIRMALKAR
51	KAMINI CHANDEL
52	KARUNA YADAV
53	KHUSHBOO DEWANGAN
54	KHUSHI PANDEY
55	KIRAN
56	KIRAN LAHRE
57	LALITA
58	LALITA KEWAT
59	LALITA NIRMALKAR
60	LALTA YADAV
61	LAXMIN RAJAK
62	LEENU DHURI
63	LUCKY SONI
64	MADHU SURYAVANSHI
65	Manisha
66	MANISHA CHANDEL
67	MANISHA DEWANGAN
68	MANISHA KESHAR
69	MANISHA SAHU
70	MANJU VERMA
71	MANSI BHATTACHARYA
72	MUSKAN NETAM
73	NANDANI DEWANGAN
74	NEELAM KEWAT
75	NEETU SHRIWAS
76	NEHA
77	NEHA LIBERTY
78	NEHA NIRMALKAR
79	NEHA TENGWAR
80	NEHA VERMA
81	NIKITA
82	NIKITA
83	NIKITA PARATE
84	NILIMA SURYAVANSHI
85	NISHA GOYAL
86	NISHA THAKUR
87	PALAK YADAV
88	PALLAVI GANDHARVE
89	PAYAL DEWANGAN
90	PAYAL KORI
91	PAYAL SAHU
92	POOJA
93	POOJA SAHU

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Govt. M.S. Naveen Girls College
Bilaspur (C.G.)

	94	POOJA YADAV
	95	POOJA YADAV
	96	PRATIBHA MANIKPURI
	97	PRATIBHA YADAV
	98	PREETI
	99	PREETI BANJARE
	100	PREETI NISHAD
	101	PREMLATA SAHU
	102	PRIYA
	103	PRIYA NIRMLAKAR
	104	PRIYANKA YADAV
	105	PUJA GANDHERVA
	106	PUNITA
	107	PUSHPA NETAM
	108	RAGINI SAHU
	109	RAJNI SAHU
	110	RANI
	111	RAVEENA CHATURVEDI
	112	RENUKA
	113	RESHMA SAHU
	114	RITU
	115	RITU
	116	RITU KEWAT
	117	RITU YADAV
	118	RINKI DEWANGAN
	119	RIYA DEWANGAN
	120	ROSHANI VISHWAKRMA
	121	ROSHNI SAHU
	122	RUKHMANI JAISWAL
	123	RUPALEE
	124	SADHNA BANARJI
	125	SAFIYA BEGAM
	126	SAKSHI SHUKLA
	127	SAKSHI TIWARI
	128	SALINA
	129	SANDHYA
	130	SANDHYA VISHWAKARMA
	131	SANGEETA YADAV
	132	SANJI
	133	SARASWATI SAHU
	134	SARASWATI
	135	Saraswati Dewangan
	136	SHABNAM BANO
	137	SHALINI JAISWAL
	138	SHIV BALIKA
	139	SHOBHA
	140	SHRADDHA YADAV
	141	SHREYA GOSWAMI
	142	Shubha
	143	SRISHTI SINGH BARGAH

PRINCIPAL
Govt. M.S. Naveen Girls College
Bilaspur (C.G.)

	144	SUMAN
	145	SUMAN KACHHWAHA
	146	SUMANLATA SAHU
	147	SUSHMITA
	148	SUSHMITA LIBERTY
	149	TAMANNA SURYAVANSHI
	150	TARA LAHARSE
	151	VARSHA VISHWAKARMA
	152	VIBHA SHARMA
	153	VINITA KHANDE
	154	YAMINI
	155	YASHIKA TRIVEDI

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Govt.Mata Shabari Naveen Girls PG College, Bilaspur(C.G.)

Department Of Commerce(B.Com.-I)

Academic Session 2020-21

Environment Project
List of Student 2020-21

SN	CNAME
1	AANCHAL YADAV
2	AARTI DHRUV
3	AARTI GUPTA
4	AARTI KAIWART
5	ALKA
6	ANCHAL SARTHI
7	ANJALI KUMARI
8	ANKITA VISHWAKARMA
9	ANNPURNA KAIWART
10	ARCHANA KAUR
11	AVANTIKA SURYAWANSHI
12	BHAGYALAXMI SAHU
13	CHANDRANI
14	DAMINI SINGH
15	DEEPIKA NAMDEV
16	DEEPIKA SHRIVAS
17	DIVYA DEWANGAN
18	DIVYA KASHYAP
19	DIVYA KAUSHIK
20	DIVYA SAHU
21	DOLLY DEWANGAN
22	ESHA CHANDRASEN
23	GAYATRI SAHU
24	HEENA SAHU
25	HEMLATA SAHU
26	HIMANSHI DEWANGAN
27	JAYA GUPTA
28	JAYSHRI SAHU
29	JONSHI THAKUR
30	KHUSHBOO KUSHWAHA
31	KSHATRESHWARI VADYAK
32	LOVELY YADAV
33	MANISHA
34	MAYA MOHITE
35	MAYA YADAV
36	MONIKA TIWARI
37	MUSKAN LASHE
38	MUSKAN SURYAVANSHI
39	MUSKAN YADAV
40	NEELIMA
41	NEHA BUNKER

PRINCIPAL
Govt. M.S. Naveen Girls College
Bilaspur (C.G.)

	42	NEHA DEWANGAN
	43	NEHA DEWANGAN
	44	NEHA DHRUV
	45	NEHA RAJPUT
	46	NEHA SAHU
	47	NIKITA YADAV
	48	PALLAVI
	49	PALLAVI KOUSHAL
	50	PAYAL YADAV
	51	POOJA DEVANGAN
	52	POOJA NISHAD
	53	POOJA SONI
	54	PRACHI GOSWAMI
	55	PRAGYA TOMAR
	56	PRANJALEE RATHORE
	57	PREETI SHRIWAS
	58	PRIYA KACHHI
	59	PRIYANKA T. C. ISSUE
	60	PRIYANKA SAHU
	61	PRIYANKA YADAV
	62	PRIYANKA YADAV
	63	PUJA KUMARI
	64	RAGINEE SAHU
	65	RANI SATISH SINGH
	66	RINKU MAHATO
	67	RIYA
	68	RIYA SONI
	69	ROSHNI PATEL
	70	SAKSHI SAHU
	71	SANGAM SHARMA
	72	SANJANA YADAV
	73	SANTOSHI DEWANGAN
	74	SAVITRI MAHANT
	75	SEEMA
	76	SHABA NAAZ
	77	SHAKUNTALA YADAV
	78	SHARDA SURYA
	79	SHIVANEE SINGH CHOUHAN
	80	SHRADDHA MISHRA
	81	SHRIYA SINGH CHAUHAN
	82	SHRUTI TRIPATHI
	83	SHRUTI YADAV
	84	SHWETA
	85	SHWETA DHRUW
	86	SMRITI SHASTRI
	87	SONA VISHWAKARMA
	88	SONAM SAHU
	89	SRISHTY DAYAL SINGH

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	90	SUBHDRA KUMARI MEHTA
	91	SUHANA NAAZ
	92	SUPRIYA VASTRAKAR
	93	SUSHMA YADAV
	94	TWINKAL YADAV
	95	UMA MARAVI
	96	VARSHA KORI
	97	VARSHA VERMA
	98	VINITA KAUSHIK
	99	YAMINEE SAHU
	100	YASHASVI SINGH

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	Govt.Mata Shabari Naveen Girls PG College Bilaspur
	Department of Computer Application
	Academic Session-2020-21
	Class- BCA-III
	WebTechnology
	List Of Students

SN	CNAME
1	AAKANKSHA GHARDE
2	AARTI KANWAR
3	AKANKSHA SAHU
4	ANKITA SHUKLA
5	CHITRA SAHU
6	DIVYA SAHU
7	KANCHAN SARAF
8	KIRAN GUPTA
9	MAHIMA JAISWAL
10	NAIMA BEGUM
11	POOJA SINGH
12	PRACHI PATHAK
13	PRIYA KOSHALE
14	RAJNI YADAV
15	SAKSHI TIWARI
16	SATYA
17	SEEMA
18	SHALINI
19	SUREKHA NISHAD

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	Govt.Mata Shabari Naveen Girls PG College Bilaspur
	Department Of Computer Application
	Academic Session-2020-21
	Class- PGDCA
	C And C++
	List Of Students
SN	**CNAME**
1	abha kesher
2	ANURADHA SINGH CHOUHAN
3	CHANDANI DEWANGAN
4	DIPALI NIRMALKAR
5	DIVYA SAHU
6	DURGESHWARI PATEL
7	GAURI JAGAT
8	GEETA SINGH THAKUR
9	KAMLESH SAHU
10	KIRAN TIWARI
11	KUSUMLATA
12	LALITA SAHU
13	LATA SAHU
14	MAMATA
15	MONIKA DEWANGAN
16	NEERA SAHU
17	POOJA LODHI
18	POONAM
19	PRIYA SHARMA
20	PRIYANKA BHAGAT
21	SAMIKSHA TIWARI
22	SANGEETA SURYAWANSHI
23	SANTOSHI SAHU
24	SEEMA
25	SHEEBA
26	SHRADDHA PATEL
27	SHWETA
28	SONAL KHUTE
29	SONIYA BHAGAT
30	YOGESHWARI TANWAR

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Govt.Mata Shabari Naveen Girls PG College, Bilaspur(C.G.)
Department of Computer Application(BCA-I)

Academic Session 2020-21

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1	AKANKSHA SINGAUR
2	ISHA PATEL
3	KIRAN DEWANGAN
4	NEHA DEWANGAN
5	RANJEETA NISHAD
6	SUPARNA KAIWART
7	SWATI TIWARI
8	USHA BHARTI

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ENVIRONMENTAL STUDY REPORT

ON

ORGANIC MANURE

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Introduction

Organic Manure are natural products used by framers to enhanced Sustainable production. These are a number of organic manure like farmyards manure, green manure. Compost prepared from Crop residues and others farm waste and biological wastes animal bons Slaugther house refuge. Organic Manure are natural products used by farmers to enhanced sustained production. These are a manure number of Organic manure, green manure Compost prepared from Crop residues and others farm waste and biological wastes animals bons slaughter house refuge. Organic manure is the only manure that will keep us healthy.

Organic Manure

Manures may be defined as materials which are organic in origin, bulk and concentrated in nature and capable of supplying plant nutrients and improving soil physical environment having no defined chemical composition with low analytical value produced from animal, plant and other organic wastes and by products.

Organic manures are included well rotten farm yard manure (FYM) compost, green manures etc. Generally farm yard manures and compost are the decomposed products of agriculture by-products animals and crops. Whereas green manures may be defined as materials which are un-decomposed green plant tissus susceptible to decomposition in the soil after incorporation

Types of Organic Manure

1. Farmyard Manure (FYM)
2. Green Manure
3. Crop Residues
4. Compost
5. Home Compost
6. Concentrated Organic Manure
7. Vermi compost
8. Green Leaf
9. Leaf Compost

1. Farmyard Manure:-

Farmyard manure is prepared in basically used by cow dung, cow urine, wastes straw and wastes other things. It is highly used in some of the properties. It is rich in the nutrients. When cow dung and urine are mixed it balnced with nutrition and also nutrition is made available to the plants. Availability of potossim and phosphorus from farmyard is similar to that faron of inorganic sources. It is applicable for the

ACE

farmyard to improve soil fertility

2. Green Manure:-

Many Countries have changed farm
a region of the food Scarcity to
the food Sufficiently by increased
the fertility use with subsidiz-
ed prices. But the Organic Manure
uses of including green manure
and declined substantially. In orga-
nic fertilizers are becoming more
expensive, therefore, Sustainability
of the soil productivity has become
a more in efftively hence alternate
sources is to supplement in organic
fertilizer are beautiful thoughts
Green manuring is minimizing cost
of fertility and safeyarding produ-
ction.

Advantage of Green Manure:-

Green manure builds up to the soil
structure to improve little. harborer
fixiing the bactiria, rhizobic is

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root nodules and fix-atmospher. It is promotes to formation of the in the heavy soils. by leading to a eration and tra-image. It increases the water holding capacity. And it decreases the soil loss by erosion and it improves the soil fertility and productivity

3. Crop Residues:-

Crop residues are the non economic plant parts that are left in the field after the havest. The havest refuses include straws, stubble and stover of different crops. Crop remains are also from thrashing sheds or that are discarded during crop processing.

4. Compost:-

Compost is a sources of organic matter soil organic matter plays an important role in sustainable agricultural production. In

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Lid open

Trapdoor
open

Recycled plastic
compost bin

Composted
material

addition to being a source of plant nutrient, it improves the physico-chemical and biological properties of the soil.

5. Home Compost :-

Home compost is organic material that is can be added to soil to help for the plants to grow well. Foard scraps, dry leaves, fruits and vegetables, Egg shells, plants, kitchen wastes, material, news papers, wast wood, wast cloths, cow dung, chitchen wasts, large scals and somany things we compost at home and material biologically.

6. Concentrated

Concentrated or manures are those manuers which are rich in parti-culas notrients, but relatively hav-ing law volume of organic mat-erials.

For exam:- oil cakes, blood and born meal, fish meal, press meal etc.

Oil cakes:- oil cake is the residue left after the soil is extracted from oil containing seed. The manu-real values of oil cake die mainly in its nitrogen contribution through it is small quantities. The nitrogen content varies between 3% and 9% for oil cakes.

7. Vermi compost:-

Vermi compost is the product of the decomposition process using various species of warms, usally red wigglers, wilt warms, and others earth warms, to create a mixture of decomposing vegetables or food waste, bedding materials, and vermi compost to transforms organic wast into a nutrient - rich fertilizer and ensure higher - quality compost material that is added to soil to improve its quality vermi cost is the end product of the breakdown of organic

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matters by earth warms.

8. Green Leaf :-

It can be defined as the pruning
and collecting of green leaves. twigs
froms various trees, herbs and
shrubs. And then applying them
elsewhere as ferlizers. Forest tree
leaves are the main sources for
green leaf manure. Plants growing
in wastlands. field bunds ect.

9. Leaf Compost :-

Leaf composting, can be achieved
by heap or ditch composting or by
windrow composting. Windrow are
preferred as they allow efficient
handling of materials. Provide
good aration. allow sufficient absso-
rption of water and are easy to
be formed. Formation of uniform-
Shaped windrow form 2.40m - 3.60m
at the base and 2.40m - 3.00 m high
and of any convenient length.

windrow built too high will have
excessive compaction at the base
resulting in anaerobic conditions.
windrow built too low will not allow
sufficient insulation to sustain
thermophilic temperature during
cold weather. To ensure aeration,
it is importants to break tightly
compacted leaves. Though reduction
in size may aid in rapid decompo-
sition, it is not desirable in leaves
because it increase the leaves are not
adequately moist, it is desirable to
add water to maintain a proper
moisture regime of 40 to 60%. The C:N
ratio of leaves is relatively high.
It can be as high as 80, and needs
to be amended with nitrogen.
Sewage sludge, green manure and
grass clipping are good sources of
nitrogen. Proper aeration can be
maintained by periodical mixing of
the material.
under optimum environment composting
leaf compost will be ready between
180 and 270 days. Leaf mould will
have pH range of 6-7.

Advantages of Organic Manure:-

The advantages of organic manure
is control soil erosion to leaching
to the environmental pollution.
They increase the water in hol-
ding according to its capacity
of true soil. It increases the
ferterlity of the soil for result-
ing to increase to the crop
yeild form 30% to 50% It does
not degreate the quality of the
soil. It help the field to be
fertelizer to the whole year
and the farmer is getting advantage
for his incom. The organic manure
is the best manure that never bringes
any harm to eater rather it gives
full protien that man is healthy
and lives long. It this way
by using the organic manure both
advantage we man as well the
field. And maintain the fertelity
of the field and when it is empty
we can use it as other crop and
reput to oraganic manure that
sustain the fertelity of the land.

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And it provides all kinds of nutrients to the soil and which are made available to the plants. This makes vegetables and fruits tasty, nutritions and hygienic

Advantages of Organic Manure.

Organic manure provides all the nutrients that are required plants but in limited quantities.

It helps in maintaining C:N ratio in the soil and also increase the fertility and productivity of the soil.

It improves the physical, chemical and biological properties of the soil.

It improves both the structure and texture of the soils.

It increase the water holding capacity of the soil.

ACE

Due to increase in the biological activity, the nutrients that are in the lower depths are made available to the plants.

It acts as mulch thereby minimizing the evaporation losses of moisture from the soil.

Use of Organic Manure

Organic manure are normally used uniformly across the field, tow or more content and to provide micronutrients and others growth factors not normally supplied by inorganic fertelizers. Application of these manure may also enhance microbial growth and nutrient turnover soil. Manure and other organic sources are used to improve soil fertility and soil organic mutter. Organic manure are normally used to the field, two or more weeks before being incorpora-ted and into the soil during land preparation. Sometimes, rice straw

is directly composted in the field.
It is adviable to combine the use
organic manure with application of
inorganic nutrient sources as needed.
This allows farmers to use organic
manure available no-farm at low
cost to supply a portion of the crops
demand for nutrients and improve
soil fertility where required. The
use of organic manure fertilizers
particularly on upland as poor low-
land soils. The use of organic man-
ures available on-farm can return
high yields and profit when combi-
ned with organic fertilizers.
However, it is often not profitable
to buy organic fertilizers even if
they are sold as forfited organic
fertilizers, which is a ready mix
of organic and organic fertilizers.
We can use our organic manure
in our vegetable garden where we
will with pestiside vegetable which
good for the helth health and land
too. It's process I is long but when
it made and used in the land it
last long time and you will benefit
from your land.

The best organic manure

Most of the farmers they don't use the chemical but rather they use the organic manure. And most of them don't grow food for sale but for the family. So here are some best ways of using the organic manure:-

Kelp

Kelp-based fertiliser contain patassium and a little nitrogen but the true benfits are the long-terms effect they can have on your plants. Kelp has ~~keep~~ been shown to stimulate soil development, which in turn enables plants to thrive and increases overall yield. It also enables plants and crops to develop a higher tolerance for extremes of temperature such as ice and prolonged periods of sunshine. While you can buy kelp in garden centers, the cheapest way to get your hands on some is to gather and compost it yourself.

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Date

Cow Manure
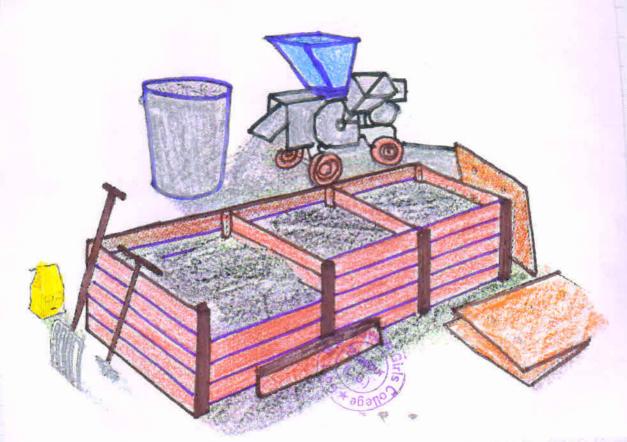
The most commonly used type of muck; cow manure is rich in nutrients that feed plants and soil alike. As with chicken manure, applying fresh directly to plants can burn them. So you have to properly compost it before use. If your's using it on fruit and vegetables. it's worth search for manure produced by organically farmed cows, other-wise you risk putting chemical antibiotic resedues, among others, on your plants.

Chicken Manure

Chicken poo contain more nitrogen, patassium and phosphorous than any other type of manure and its a great source of other nutrients as calcium and magnesium to boot. The manure can be bought in pellet form or you can ask a friendly farmer for leftover chicken muck and compost it yourself. However

ACE

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you must Sure that the manure is properly composted before use as the high nitrogen content can burn plants if the manure is raw. Also, as Raskin points out, make sure that your fertiliser comes from a free-range chk chicken farm in order to maintain the organic and natural nutritional value.

Alfalfa Meal

Alfalfa meal is another plants-based fertiliser that benefits the garden in subtle ways, although it does contain a decent amount of nitrogen as well as some potassium and phosphorous. Alfalfa's real benefit is that it helps to improve soil quality and enables production more nutrients for plants to feed from, which increases plants growth over time. It works particularly well on a ross and can be bought most garden centers. It gives the plants healthy growth and a it's brings more production.

Limestone

Limestone fertiliser is usually a healthy addition to soil but bene-fits differ depending on the source of the stone. Used to balance PH levels in soils ut with high acidity, limestone also contain calcium, which help with overall plants growth and magnesium, which encourges stronger, healther plants. With lime-stone fertilisers, its importants to test levels of acidity in your soil to determine how much it you any of needed before application.

Sheep and Goat Manure

The droping of sheep and goats contain higher nutrients than any other manure and compost. On an aveage, the manure contains 3 per cent N, 1 per cent P_2O_5 and 2 per cent K_2O. It is appted to the field in two ways. The sweeping of sheep or goat sheds are placed in pits for de-com-position and it is applied later to

field. The nutrients presents in the urine are wasted in this method. The second method is sheep penning, wherein sheep and goat are kept overnight in the field and urine and fecal matter added to the soil is incorporated to a shallow depth by working blade or cultivator or cultivator.

Poultry Manure

The excreta of birds ferment very quick. It left exposed, 50 percent of its nitrogen is lost within 30 days. Poultry manure contains higher nitrogen and phosphorus compared to other bulky organic manure. The average nutrient content is 3.03 per cent N; 2.63 per cent P2O5 and 1.4 per cent K2O.
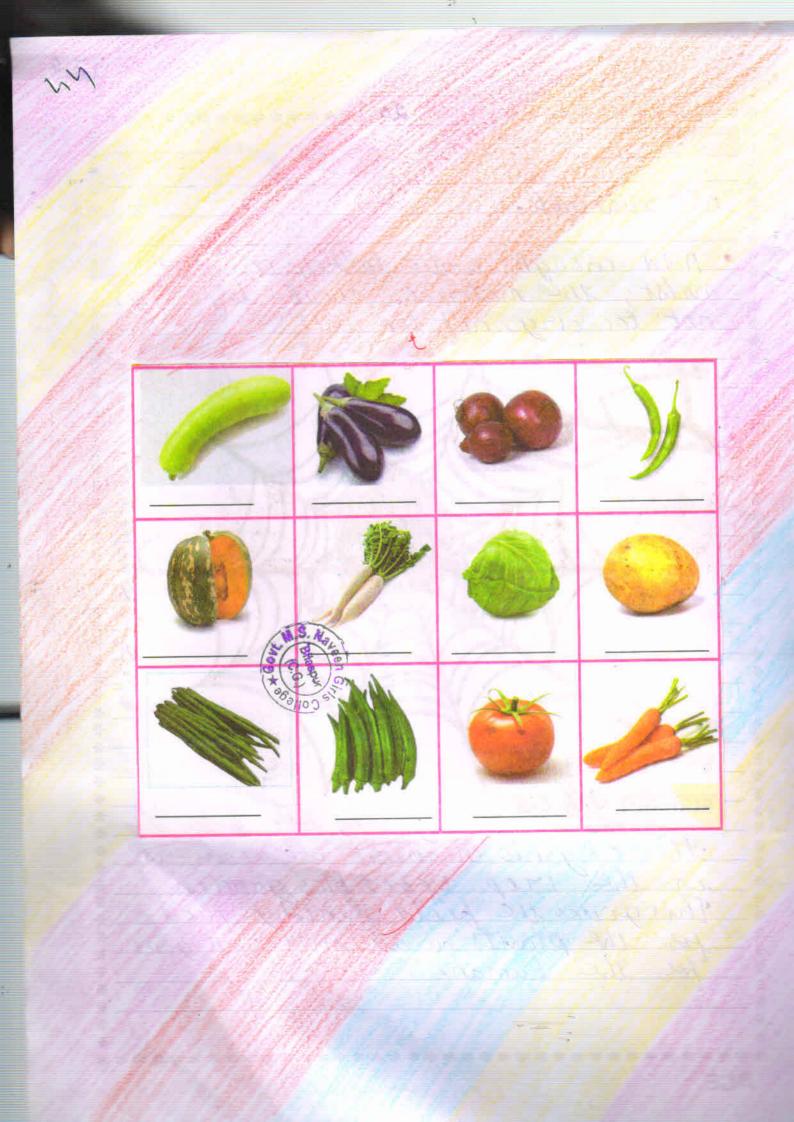
Preparation of Organic Manures

Organic manures are composed of death plants and animals remains and cont-ain plants nutrients. The are applied to the soil to increase crop production. farmyard manures from cow or buffalo. dung, compost made from plants, leaves and kitchen waste, and legumious crops used as green manures are some example of organic manures.

The Preparation of Compost

- Arrange composting material in a pit or heap. If composting is done in a heap, the site should be levelled and protected from rain by a roof so that nutrients will not leach.

- Compost is decomposed by fungi and bacteria. For proper microbia growth, add starters materials compltesed, lime or top soil at each layer. Decompo-sed compost and wood ash can also be added if chemical fertilizer is

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not available.

• Add enough water to keep compost moist; the material should be pongy, not too dry, not too wet.

• Turn the compost pit or heap with muder at 30 - 40 days intervals for proper aeration.

• Cover the compost pit or heap with muder straw or plastic sheets. This pactise enhances decomposition. In the medhills, it may take approximately 3-4 months for complete decomposition

• And once it ready or has become the organic manure we can use in the crop, vegetables garden This gives the field healthy food for the plants and plants will give for the human.

४४

_____   _____   _____   _____

_____   _____   _____   _____

_____   _____   _____   _____

Conclusion

As a conclusion using organic manure in our garden will realy help us grow top quality vegetables, but will be helping the environment in the process. Earthworms and many other beneficial insects will come to your garden. Organic manures are great for helping create safe environments for people animals and insects.

Vegetables gardening with green manure will help you control the quality of food your family eats. It can also save you money with the high cost of food today. Helping the environment and making your garden safe from harmful pesticides are some of the others benefit of organic maure. Grab your shovel and get started - try some organic manure in your garden. So let us come together and make the healthy world, with healthy plants and healthy field and be heal thy.

TOPIC
COVID-19 AND ITS EFFECT ON ENVIRONMENT

Hand Sanitizer

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Index

PTO

Concept

Introduction

In December 2019, there was a cluster of Pneumonia Cases in the city of Wuhan, in China. The disease was caused by newly discovered as a Novel Coronavirus. This disease was Subsequently named COVID-19. Covid-19 Soon spread to other parts of the world. On 30th January 2020 the World Health Organization has declared the Situation a Pandemic.
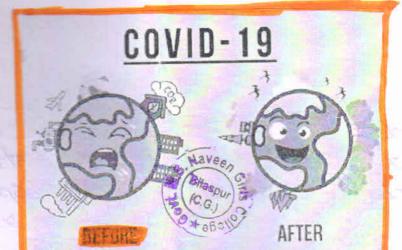
The COVID-19 pandemic has impacted every aspect of human life and the global economy. The number of new cases and deaths are increasing at an alarming rate with no signs of control yet, making the estimates of its economic and other impacts uncertain. Depending on the level of COVID-19 impact in each country, as well as Country-Specific situations and capacity, the World's Governments

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Introduction

THE CORONAVIRUS PANDEMIC'S
IMPACT ON THE ENVIRONMENT

CARBON EMISSIONS   WASTE   WILDLIFE & HABITAT   ENERGY

are adopting different levels of interventions, including travel restrictions and lockdown to contain the spread of the highly contagious virus.

COVID-19 AND ITS EFFECTS ON ENVIRONMENT

As the Covid-19 pandemic increased exponentially across the globe threatening lives and uprooting the economy of cities and nations, it also had a major impact on the environment in a matter of a few months, the world has transformed its way of living.

→ 87% of all human produced carbondioxide emissions come from the burning of fossil fuels like coal, natural gas and oil.

→ Since the industrial revolution, human sources of carbon dioxide emissions have been growing, human activities such as the burning of oil, coal and gas, as well as deforestation are the

COVID-19

BEFORE

AFTER

COVID-19

Before

After

Before

After

primary cause of the increased carbon dioxide concentrations in the atmosphere.

→ Educational institutions, industrial establishments and hospitality services were also suspended. As a result, air quality improvement has been noted in many towns and cities across the world.

→ Ecosystems are being greatly recovered.

→ The pollution level in tourist sports such as forests, sea beaches, hill areas, etc. are also shrinking largely.
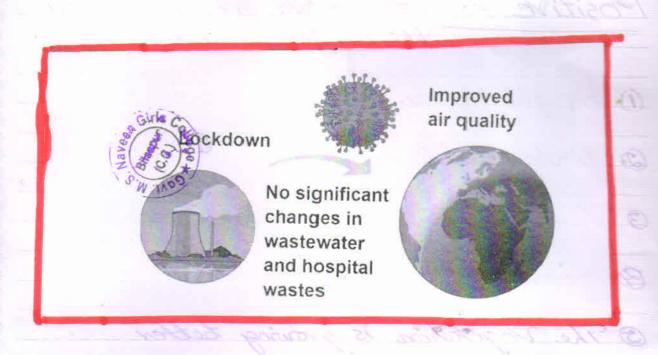
→ In many big cities, the inhabitants are experiencing a clear sky for the first time in their lives

→ Ozone layer has been found to have revived to some extent.

The pandemic has displayed its contrasting consequence on human civilization, in the sense that, on one hand, it has caused worldwide panic situation.

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Waste Management
Air Quality
Wildlife
COVID-19
Sustainability
Global Migration
Air Pollution
Waste Fires

but created a very positive impact on the world environment on the other There are also some positive as well as negative effects the COVID-19 pandemic has brought to the environment

Positive effects of the Pandemic on the Environment :-

① Air quality and climate

② Water quality

③ The wildlife is flourishing.

④ Decreasing Demand for oil

⑤ The Vegetation is growing better

Negative effects of the Pandemic on the Environment :-

1) Increasing Non-Recyclable
2) Increasing Organic waste
3) Waste management is getting difficult

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Lockdown

Improved air quality

No significant changes in wastewater and hospital wastes

POSITIVE EFFECTS OF THE PANDEMIC ON ENVIRONMENT

Humanity retreats indoors and the non human natural world booms out liberated. The waterways and rivers in the world look clean, the air fresher, the wildlife has filled the open spaces; Corona virus lockdowns across the world seem to have a number of positive effects on the environment, Millions of the people have been cooped up indoors but natural world outside has continued to boom on the natural world is benefiting from our absence.

1. Air quality & Climate

> Due to pandemic's impact on travel and industry, many regions and the planet as a whole experienced a drop in air pollution.

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> From areas in North India such as Jalandhar, the Himalayas became visible again for the first time in decades, as air quality improved due to the drop in pollution.

> The World Health Organization estimated that the outdoor air pollutions kills 7 million people each year worldwide and more than 80% urban population is exposed to unhealthy air.

> Since people stayed home, these last few months have paved significant improvement in air quality.

2. Water Quality

→ During Covid-19 induced lockdown not only the air quality but water quality in rivers and water bodies is also improving.

→ The stop of discharging industrial effluents and other wastes into water bed to an apparent positive

effect on water quality.

→ India's holiest river Ganga has been one of the most polluted rivers in the world. But during the period of lockdown, 40-50% improvement has been observed in the water quality of the Ganga River. And the Indian Institute of Technology, Roorkee, has reported that the water of Ganga River has become fit for drinking after decades.

→ Not just the Ganga but its sister River The Yamuna has been improved as well.

→ Lockdown due to Covid-19 has been able to achieve what the government could not for decades.

→ Clean rivers and other water bodies have a significant positive effect on the equatic life.

→ Many species are returning to their natural habitats since induction of the lockdown.

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Covid-19 And Wildlife

→ Not only the land animals returning but even the sea creatures seem to enjoy this break from the noise and water pollution.

→ As the majority of industries have reduced activities the water consumption of the industrial sector has decreassed to about 20-20%.

3. The Wildlife is flourishing

On waking up to the bird chirping and fresh people and cars on the streets during the countrywide lock-down to curb the spread of the novel Coronavirus disease (Covid-19), we were led to believe that it healed the environment.

Mornings were met with crowded streets and bustling market places. We saw hundreds of people trying to keep up with their daily schedules taking little notice of their surroundings.

Roll No.   Date

As people stayed at home due to lock down and travel restrictions some animals have been spotted in cities.

Sea turtles were spotted laying eggs on beaches they once avoided, due to the lowered levels of human interference and light pollution.

4. Deouasing Demand for Oil

- Oil pollution also harms animals and insects, disrupts the food chain and prevents photosynthesis in plants.

- Apart from its effect on wildlife, oil contamination can make water unsuitable for irrigation and damage irrigation plants.

- Due to the decrease in fuel demands for factories and travel.

- As Combustion of fossil fuels is one of the leading cause of pollution,

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Covid-19 & Fauna and Flora

this decrease is a positive sign for the environment.

5. The Vegetation is Growing Better.

☆ Due to less human interference., plants are exposed to better air quality and clean water.

☆ The amount of oxygen and other nutrients required for their growth are not polluted., and hence allow plants to grow and harvest healthy produce which is essential for improving the food cycle of the plants.

☆ Also it is very essential to take care of the plants that we should not harm or cut the trees, instead let's all together plant many plants and maintain the vegetation.

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NEGATIVE EFFECTS OF THE PANDEMIC ON ENVIRONMENT
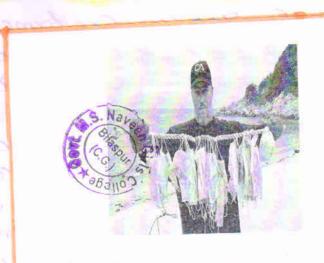
With more then 300,000 confirmed death world wide and lockdowns in most countries, the Covid-19 pandemic has significantly disrupted life as we know it. Even if scientists are successful in developing an effective vaccine, against the causative agent, Severe acute respiratory syndrome Coronavirus-2 (SARS-Cov-2) a possibility for which there is no guarantee, it will be years before there is sufficient vaccine available to inoculate most of the world's population.

1. Increasing Non-Recyclable

→ With increasing home deliveries during the lockdown, meals and online shopping surged which requires a lot of plastic packaging.

Negative Effects of Covid-19

→ Due to an increase in health concerns, food retailers have resumed using single use plastic bags at checkout points instead of reusable paper bags which was slowly becoming a norm before the pandemic.
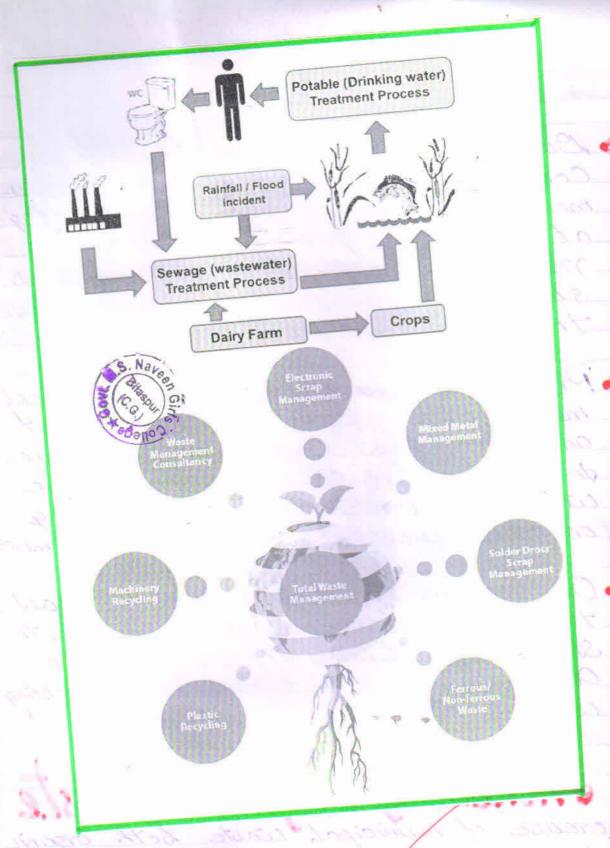
→ Production and disposal of surgical masks, gloves, protective equipment and body bags have increased due to the Covid-19 crisis but all the waste generated ends up adding on the landfills and the environment.

→ On average, 8 million tonnes of plastic trash, that is 30 times as heavy as the Statue of Liberty leaks into the Ocean annually and this rate is getting worse every passing years.

2. Increasing Organic Waste

Increase of municipal waste both organic and inorganic generation has direct and indirect effects on enviorment like air, water and soil pollution. Due to the pandemic, quarantine policies

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established in many countries have led to an increase in the demand of online shopping for home delivery, which ultimately increase the amount of household wastes from shipped package materials. However, waste recycling is an effective way to prevent pollution, save energy and conserve natural resources. But, due to the pandemic many countries postponed the waste recycling programs. In many cities, as government worried about the risk of Covid-19 spreading in recycling facilities. Due to disruption of routine municipal waste management, waste recovery and recycling activities, increasing the landfilling and environmental pollutents worldwide.

3. Waste Management is Getting Difficult

To protect from the viral infection, presently peoples are using face mask, hand gloves and other safety equipment, which increase the amount of health

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care waste. Since the outbreak of Covid-19, the production and use of plastic based PPE is increased worldwide. However, due to lack of knowledge about infectious waste management, most people dump these for example, face mask, hand gloves etc. It is reported that, face mask and other plastic based protective equipment are the potential source of microplastic fibers in the environment, experts and responsible authorities suggest for the proper disposal and segregation of household organic waste and plastic based productive equipment but mixing up these wastes increase the risk of disease transmission and exposure to the virus of waste workers.

POTENTIAL STRATEGIES OF ENVIRONMENTAL SUSTAINABILITY

It is important that, all of these environmental consequences are short-term so, it is high time to make a proper strategy for long-term benefit, as well as sustainable environmental management. The covid-19 pandemic has elicited a global response and make us united to win against the virus similarly, to protect this globe, the home of human beings, united effort of the countries should be imparative. Therefore, some possible strategies are propossed for global environmental sustainability.

1. Sustainable industrialization
2. Use of green and public transport
3. Use of renewable energy.
4. Waste water treatment and reuse
5. Waste recycling and reuse
6. Ecological restoration and ecotourism
7. Behavioral change in daily life
8. International cooperation.

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1. Sustainable Industrializ- Industrialization

Industrialization is crucial for economic growth, however its time to think about sustainability for sustainable industrialization, It is essential to shift to less energy-intensive industries, use of cleaner fuels and technologies, and strong energy efficient policies. Moreover, industries should be built in some specific zones, keeping in mind that waste from one industry zones should have been shut down in a circular way to reduce emission without hampering the national economy. Again industries especially readymade garments and others where a huge number of people work, proper distance and hygienic environment should maintain to reduce the spread of any infectious/communicable disease.

Concept

1. Sustainable Industrialif-
Industrialization

Sustainable Industrialif is crucial for economic
growth...

Industries should be built in some
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industries especially renewable...

garments and others where a high
number of people can't Perhaps that
once and hygiene. Environment should
maintain to reduce the spread of
any infectious Communicable disease.

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2. Use of Green and public transport

To reduce emissions, it is necessary to encourage people to use public transport, rather private vehicles. Besides, people should encourage to use bicycle in a short distance, and public like sharing system should be available for mass useage which is not only environment friendly but also beneficial for heath.

3. Use of renewable energy

Use of renewable energy can lower the demand of fossil fuels like coal, oil, and natural gas, which can play an important role in reducing the GmGs emissions. Due to the Covid-19 pandemic, global energy demand is reduced, which results in the reduction

The Utility of the Future:
Recovering Resources

Household waste

Waste bag

Waste transportation

Recycling depots

Recycling industry

Transfer station

Composting

Waste landfill

Informal recycling

Municipal waste service

ENERGY FACTORY

NUTRIENT FACTORY

WATER FACTORY

of emission and increased ambient air quality in many areas. But, to maintain the daily needs and global economic growth, it is not possible to cut off energy demand like a pandemic situation. Hence, use of renewable energy resources like solar, wind, hydropower, geothermal heat and biomass can meet the energy demand and reduces the GHGs emission.

4. Wastewater treatment and reuse

To reduce the burden of wastes and environmental pollution, both industrial and municipal wastes should be recycled and reused. Hence, circular economy or circularity systems should implement in the production process to minimize the use of raw material and waste generation. Moreover, hazardous and infectious medical that majority of the people have a lack of knowledge regarding waste segregation and disposal issues. So, government

Should implement extensive awareness campaign through different mass media, regarding the proper waste segregation, handling and disposal methods.

5. Ecological restoration & ecotourism

For ecological restoration, tourist spots should periodically shutdown after a certain period. Moreover, ecotourism practice should be strengthened to promote sustainable livelihoods, cultural preservation, and bio-diversity conservation.

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6. Behaviour change in daily life

To reduce the carbon footprint and global carbon emission, it is necessary to change the behavior in the daily life and avoid processed and take locally grown food, make compost from food waste, switch off or unplug electronic devices when not used, and use a bicycle instead of a car for short distances.

7. International Cooperation

To meet the sustainable environmental goals and protection of global environmental resources such as the global climate and biological diversity, combined international effort is essential. Hence, responsible international authority like united Nations Environment Programme should take effective role to prepare time oriented policies, arrange international conventions and coordination of global leaders for

6. Behaviour change in daily life

Stay at Home

proper implementation.

Conclusion

It was a wonderful learning experience for me while working on this project. This project has developed my thinking skill related to the topic.

    Covid-19 and its associated lockdown has given us a rare opportunity to step back and assess our impact on the environment. We are witnessing clean air, water and liveable cities that we have demanded for so long precisely because we have been shut away. Thus, before we resume life as usual, we should make commitment to instill the principal of sustainable development in our social behaviour, lifestyle and public policy making to make our environment clean and sustainable.

    I enjoyed each and every bit work I had put into this project.

                    Thank you.

Concept

Govt. Mata Sabri Naveen Girls College, Bilaspur (C.G.)

A

PROJECT REPORT

ON

" **JOB PORTAL** "

PREPARED AND SUBMITTED

FOR

PARTIAL FULLFILLMENT FOR THE AWARD

OF

Bachelor Of Computer Application 3rd year

SESSION 2020-21

GUIDED BY: -   **SUBMITTED BY:-**

Mrs .PUJA GUPTA   **KANCHAN SARAF&**

(Assist. Professor)   **SAKSHI TIWARI**

Department of Computer Science

ATAL BIHARI VAJPAYEE UNIVERSITY, BILASPUR (C.G.)

CERTIFICATE   .

This is to certify that **KANCHAN SARAF & SAKSHI TIWARI** has completed the project assigned to them and dully submitted this project **"JOB PORTAL".** This Project report is submitted for the partial fulfilment of requirement for the award of **"BACHLOR OF COMPUTER APPLICATION 3rd YEAR** "during academic session 2020-21.

EXTERNAL EXAMINER   **INTERNAL EXAMINER**

DECLARATION .

I **Kanchan Saraf & Sakshi Tiwari** hereby declare that the project report entitled **"JOB PORTAL "** has been duly completed by us under the guidance of **Miss. Puja Gupta Assist. Professor** of Computer Department *Govt. Mata Sabri Naveen Girls College, Bilaspur (C.G.)*

KANCHAN SARAF &

DATE: ……………   **SAKSHI TIWARI**

PLACE: Bilaspur

DECLARATION .

This is to certify that the project work entitled **"JOB PORTAL "** carried out by **KANCHAN SARAF & SAKSHI TIWARI a student of** B.C.A.-3rd year at hereby approved as a credible work in the discipline of computer science & information technology for the award of degree of **BACHLOR OF COMPUTER APPLICATION -3rd** year during the year 2020-2021 From *Govt. Mata Sabri Naveen Girls College, Bilaspur (C.G.)*

Atal Bihari Vajpayee Vishwavidyalay University Bilaspur (C.G.)

Mrs .AARTI SINGH THAKUR

DATE: ……………   **(HEAD OF DEPARTMENT)**

PLACE: Bilaspur

ACKNOWLEDGEMENT

The necessity of writing this acknowledgement was felt when we completed our project work. May be that it is customary to write it. We are really felt that it was not customary but it was really needed to write it. This was the only track to express our feelings about the people to concern during our project work.

Our project work could be completed just because we had put in enough effort with lot of help of our project guide **"Miss. PUJA GUPTA (Assist. Professor)** of Computer Department *Govt. Mata Sabri Naveen Girls College, Bilaspur (C.G.)*", inspiration of our parents and good wishes of our friends.

We are thankful to our teachers **Mrs AARTI SINGH THAKUR (H.O.D). ,Mrs .PUJA GUPTA**

Our sincere thanks to **Dr.R.K. VERMA**, (Principal) *Govt. Mata Sabri Naveen Girls College Bilaspur (C.G.)* for his continuous blessing during the entire session of our study and completion of project.

DATE: ……………   **KANCHAN SARAF &**

                                                                     SAKSHI TIWARI

   PLACE: Bilaspur

CONTENT --- **PAGE NO.**

CHAPTER-1

INTRODUCTION

1.1.   Introduction

This project is aimed at developing an online search Portal for the Placement Details for job seekers. The system is an online application that can be accessed throughout the organization and outside as well with proper login provided. This system can be used as an Online Job Portal for job seekers. Job Seekers logging should be able to upload their information in the form of a CV. Visitors/Company representatives logging in may also access/search any information put up by Job aspirants.

This system can be used as an Online Job Portal for the Placements providing to the un employees who are seeking for a job placement. Job Seeker logging into the system and he can should be able to upload their information in the form of a CV. Visitors/Company representatives logging in may also access/search any information put up by Job Seeker

1.2. Existing system

The existing system for job recruitment includes traditional methods like Employment agencies, advertising through newspapers, televisions and radios, college fairs etc., which are too slow and stressful. With the advancement of internet, jobseekers rely on the online job portals, which makes the job search efficient. Again, most of these are limited to the web/desktop applications, which requires jobseekers to have a laptop or desktop connected to internet and is not handy

- Existing system are a failing in providing quick operation
- Cost is high as well.
- Processing very lengthy and time consuming.
- More time consume for before generation.

1.3. Advantages

Job Search Portal is developed to provide an effective means for the employers to post job openings with required qualification to have a better penetration into the job market and jobseekers to find out the information regarding the current openings in the organization. In addition, Employers can view the reviews provided by the applicants to make necessary improvements in their system if needed. Job search portal is both web based as well as an android application providing flexibility for the users.
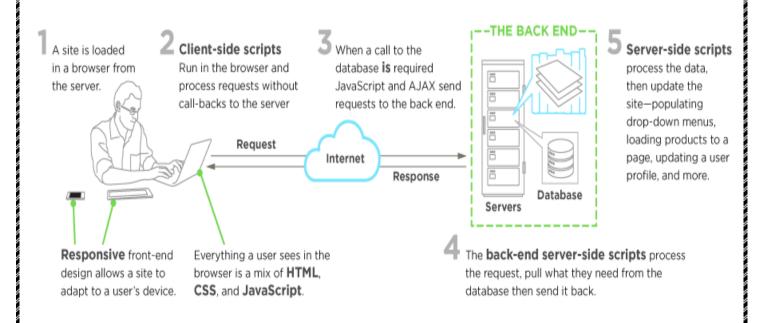
CHAPTER- 2

REQUIRMENT ANALYSIS

2.1 Architecture Of Font End User
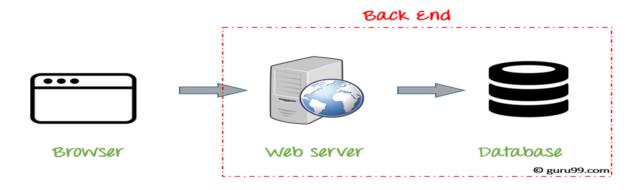
A front-end developer architects and develops websites and applications using web technologies (i.e., HTML, CSS, DOM, and JavaScript), which run on the Open Web Platform or act as compilation input for non-web platform environments.

Typically, a person enters into the field of front-end development by learning to develop HTML, CSS, and JavaScript which commonly runs in a web browser but can also run in a headless browser, WebView, or as compilation input for a native runtime environment. These four run times scenarios are explained below.

1 A site is loaded in a browser from the server.

2 **Client-side scripts** Run in the browser and process requests without call-backs to the server

3 When a call to the database **is** required JavaScript and AJAX send requests to the back end.

Request

Internet

Response

THE BACK END

Servers   Database

5 **Server-side scripts** process the data, then update the site—populating drop-down menus, loading products to a page, updating a user profile, and more.

Responsive front-end design allows a site to adapt to a user's device.

Everything a user sees in the browser is a mix of **HTML, CSS**, and **JavaScript**.

4 The **back-end server-side scripts** process the request, pull what they need from the database then send it back.

Back-end Development refers to the server-side development. It is the term used for the behind-the-scenes activities that happen when performing any action on a website. It can be logging in to your account or purchasing a watch from an online store.

Back-end developer focuses on databases, scripting, and the architecture of websites. Code written by back-end developers helps to communicate the database information to the browser.

Skill sets required to become a Back-end Developer

A back-end developer works with the following

Web Development Languages

Database and cache   Server,   API (REST & SOAP)

SOFTWARE REQUIREMENT

Operating System : Window XP, Windows 7

Front –End : HTML, Java Script, PHP

Back-End : PHP, MYSQL

Supporting Server : Apache Tomcat 5.5 , WampServer

Hardware Requirement

Processor : Intel Pentium IV,2.4 GHz

RAM : 512 MB

Hard Disk Drive : 40 GB

Video : 800*600,1024*768 256 colors

CHAPTER -3

System Design

3.Software and Tools

Bootstrap

Why use Bootstrap?

- **Mobile first approach:**

Since Bootstrap 3, the framework consists of Mobile first styles throughout the entire library instead of in separate files.

- **Browser Support**: It is supported by all popular browsers.

- **Easy to get started**: With just the knowledge of HTML and CSS anyone can get started with Bootstrap. Also the Bootstrap official site has a good documentation.

- Responsive design: Bootstrap's responsive CSS adjusts to Desktops,Tablets and Mobiles. More about responsive design in the chapter Bootstrap Responsive Design CHAPTER 1 TUTORIALS POINT Simply Easy Learning

- Provides a clean and uniform solution for building an interface for developers.

- It contains beautiful and functional built-in components which are easy to customize. • It also provides web based customization.

- And best of all it is an open source. What Bootstrap Package Includes?

- **Scaffolding**: Bootstrap provides a basic structure with Grid System, link styles, background. This is is covered in detail in the section Bootstrap Basic Structure

- **CSS**: Bootstrap comes with feature of global CSS settings, fundamental HTML elements styled and enhanced with extensible classes, and an advanced grid system. This is covered in detail in the section Bootstrap with CSS.

- **Components:** Bootstrap contains over a dozen reusable components built to provide iconography, dropdowns, navigation, alerts, popovers, and much more. This is covered in detail in the section Layout Components.

.

- **Customize**: You can customize Bootstrap's components, LESS variables, and jQuery plugins to get your very own version.

CHAPTER -4

Introduction of Language

What is HTML:-

HTML is an acronym which stands for **Hyper Text Markup Language** which is used for creating web pages and web applications. Let's see what is meant by Hypertext Markup Language, and Web page

Hyper Text: HyperText simply means "Text within Text." A text has a link within it, is a hypertext. Whenever you click on a link which brings you to a new webpage, you have clicked on a hypertext. HyperText is a way to link two or more web pages (HTML documents) with each other.

Markup language: A markup language is a computer language that is used to apply layout and formatting conventions to a text document. Markup language makes text more interactive and dynamic. It can turn text into images, tables, links

HTML is the standard markup language for creating Web pages.

- HTML stands for Hyper Text Markup Language
- HTML describes the structure of Web pages using markup
- HTML elements are the building blocks of HTML pages
- HTML elements are represented by tags
- HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
- Browsers do not display the HTML tags, but use them to render the content of the page

HTML Tags

HTML tags are element names surrounded by angle brackets:

```
<tagname>content goes here...</tagname>
```

HTML Versions

Since the early days of the web, there have been many versions of HTML:

HTML Documents

All HTML documents must start with a document type declaration:

`<!DOCTYPE html>.`

The HTML document itself begins with **<html>** and ends with **</html>**.

The visible part of the HTML document is between **<body>** and **</body>**.

HTML Paragraphs

HTML paragraphs are defined with the **<p>** tag:

HTML Links

HTML links are defined with the **<a>** tag

HTML Images

HTML images are defined with the **<img>** tag.

The source file (src), alternative text (alt), width, and height are provided as attributes

HTML Elements

An HTML element usually consists of a **start** tag and **end** tag, with the content inserted in between:

`<tag name>Content goes here...</tag name>`

HTML Attributes

- All HTML elements can have **attributes**
- Attributes provide **additional information** about an element
- Attributes are always specified in **the start tag**
- Attributes usually come in name/value pairs like: **name="value"**

HTML links are defined with the **\<a>** tag. The link address is specified in the **href** attribute:

```
<a href="http://www.w3schools.com">This is a link</a>
```

What is CSS?

Cascading Style Sheets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, as well as a variety of other effects.

CSS is easy to learn and understand but it provides a powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages HTML or XHTML.

Advantages of CSS

OVERVIEW

- **CSS saves time** - You can write CSS once and then reuse the same sheet in multiple HTML pages. You can define a style for each HTML element and apply it to as many web pages as you want.

- **Pages load faster** - If you are using CSS, you do not need to write HTML tag attributes every time. Just write one CSS rule of a tag and apply it to all the occurrences of that tag. So, less code means faster download times.

- **Easy maintenance** - To make a global change, simply change the style, and all the elements in all the web pages will be updated automatically. **Superior styles to HTML** - CSS has a much wider array of attributes than HTML, so you can give a far better look to your HTML page in comparison to HTML attributes.

- **Multiple Device Compatibility** - Style sheets allow content to be optimized for more than one type of device. By using the same HTML document, different versions of a website can be presented for handheld devices such as PDAs and cellphones or for printing.

- **Global web standards** – Now HTML attributes are being deprecated and it is being recommended to use CSS. So it's a good idea to start using CSS in all the HTML pages to make them compatible with future browsers.

SYNTAX
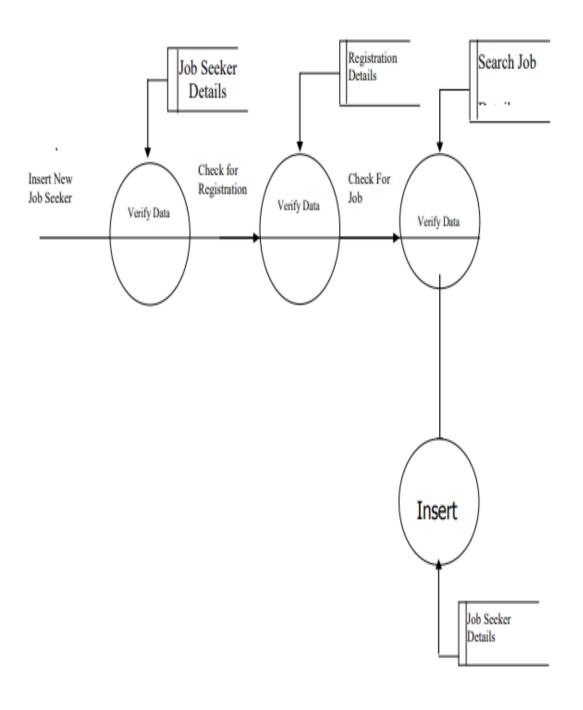
A CSS comprises of style rules that are interpreted by the browser and then applied to the corresponding elements in your document. A style rule is made of three parts:

- **Selector:** A selector is an HTML tag at which a style will be applied. This could be any tag like <h1> or <table> etc.

- **Property:** A property is a type of attribute of HTML tag. Put simply, all the HTML attributes are converted into CSS properties. They could be *color*, *border*, etc.

- **Value:** Values are assigned to properties. For example, *color*property can have the value either *red* or *#F1F1F1* etc.

CHAPTER -5

DATA FLOW DIAGRAM

DFD For New Job Search Creation

Job Seeker Details

Registration Details

Search Job

Insert New Job Seeker

Check for Registration

Check For Job

Verify Data

Verify Data

Verify Data

Insert

Job Seeker Details

CHAPTER-6

ENTITY RELATIONSHIP DIAGRAM

E-R diagram for online shopping

CHAPTER-7

CODING

```html
<!doctype html>

<html class="no-js" lang="zxx">


<head>

    <meta charset="utf-8">

    <meta http-equiv="x-ua-compatible" content="ie=edge">

    <title>Job Board</title>

    <meta name="description" content="">

    <meta name="viewport" content="width=device-width, initial-scale=1">


    <!-- <link rel="manifest" href="jobboard2/site.webmanifest"> -->

    <link rel="shortcut icon" type="image/x-icon" href="jobboard2/img/favicon.png">

    <!-- Place favicon.ico in the root directory -->


    <!-- CSS here -->

    <link rel="stylesheet" href="jobboard2/css/bootstrap.min.css">

    <link rel="stylesheet" href="jobboard2/css/owl.carousel.min.css">

    <link rel="stylesheet" href="jobboard2/css/magnific-popup.css">

    <link rel="stylesheet" href="jobboard2/font-awesome-4.7.0/css/font-awesome.css">

    <link rel="stylesheet" href="jobboard2/font-awesome-4.7.0/css/font-awesome.min.css">
```

```html
<link rel="stylesheet" href="jobboard2/css/themify-icons.css">

<link rel="stylesheet" href="jobboard2/css/nice-select.css">

<link rel="stylesheet" href="jobboard2/css/flaticon.css">

<link rel="stylesheet" href="jobboard2/css/gijgo.css">

<link rel="stylesheet" href="jobboard2/css/animate.min.css">

<link rel="stylesheet" href="jobboard2/css/slicknav.css">


<link rel="stylesheet" href="jobboard2/css/style.css">

<!-- <link rel="stylesheet" href="jobboard2/css/responsive.css"> -->

                <h3      class="wow      fadeInLeft"     data-wow-
duration="1s" data-wow-delay=".3s">Find your Dream Job</h3>

                <p class="wow fadeInLeft" data-wow-duration="1s"
data-wow-delay=".4s">We provide online instant cash loans with
quick approval that suit your term length</p>

                <div class="sldier_btn wow fadeInLeft" data-wow-
duration="1s" data-wow-delay=".5s">

                    <a   href="#"   class="boxed-btn3">Upload   your
Resume</a>

                </div>
    <div class="container">

        <div class="row cat_search">

            <div class="col-lg-3 col-md-4">

                <div class="single_input">
```

```html
            <input type="text" placeholder="Search keyword">

        </div>

    </div>

    <div class="col-lg-3 col-md-4">

        <div class="single_input">

            <select class="wide">

                <option                                    data-
display="Location">Location</option>

                    <option value="1">Chattisgarh</option>

                    <option value="2">Madhya  Pradesh</option>

                    <option value="4">Utter  pradesh</option>

                    <option value="4">Delhi</option>

                </select>

        </div>

    </div>

    <div class="col-lg-3 col-md-4">

        <div class="single_input">

            <select class="wide">

                <option                                    data-
display="Category">Category</option>

                    <option value="1">Teacher </option>

                    <option value="2">Oprater</option>

                    <option value="4">Worker</option>
```

```html
          </select>

        </div>

      </div>

      <div class="col-lg-3 col-md-12">

        <div class="job_btn">

          <a   href="jobboard2/job   list.html"   class="boxed-
btn3">Find Job</a>

        </div>

      </div>

    </div>

    <div class="row">

      <div class="col-lg-12">

        <div class="popular_search d-flex align-items-center">

          <span>Popular Search:</span>

          <ul>

            <li><a href="#">Design & Creative</a></li>

            <li><a href="#">Marketing</a></li>

            <li><a href="#">Administration</a></li>

    <div class="row">

      <div class="col-lg-4 col-xl-3 col-md-6">

        <div class="single_catagory">

          <div class="photo"></div>
```

```html
            <i   class="fa   fa-pencil-square-o"   style="margin-left:
40%;font-size: 50px; color: fuchsia;padding: 5px"></i>

        <a href="jobboard2/jobs.html">

          <h4>Design  & Creative</h4>

        </a>

        <p> <span>50</span> Available position</p>

      </div>

    </div>

    <div class="col-lg-4 col-xl-3 col-md-6">

      <div class="single_catagory">

        <i   class="fa   fa-shopping-cart"   style="margin-left:
40%;font-size: 50px; color: fuchsia;padding: 5px "></i>


        <a href="jobboard2/jobs.html">

          <h4>Marketing</h4>

        </a>

        <p> <span>50</span> Available position</p>

      </div>

    </div>

    <div class="col-lg-4 col-xl-3 col-md-6">

      <div class="single_catagory">

        <i class="fa fa-mobile" style="margin-left: 40%;font-
size: 50px; color: fuchsia;padding: 5px"></i>
```

```html
<a href="jobboard2/jobs.html">

   <h4>Telemarketing</h4>

</a>

<p> <span>50</span> Available position</p>

      </div>

  </div>

  <div class="col-lg-4 col-xl-3 col-md-6">

     <div class="single_catagory">

        <i class="fa fa-internet-explorer" style="margin-left:
40%;font-size: 50px; color: fuchsia;padding: 5px"></i>


        <a href="jobboard2/jobs.html">

           <h4>Software & Web</h4>

        </a>

        <p> <span>50</span> Available position</p>

     </div>

  </div>

  <div class="col-lg-4 col-xl-3 col-md-6">

     <div class="single_catagory">

        <i class="fa fa-user" style="margin-left: 40%;font-
size: 50px; color: fuchsia;padding: 5px"></i>
```

```html
            <a href="jobboard2/jobs.html">

              <h4>Administration</h4>

            </a>

            <p> <span>50</span> Available position</p>

          </div>

        </div>

        <div class="col-lg-4 col-xl-3 col-md-6">

          <div class="single_catagory">

            <i class="fa fa-book" style="margin-left: 40%;font-size: 50px; color: fuchsia;padding: 5px"></i>


            <a href="jobboard2/jobs.html">

              <h4>Teaching & Education</h4>

            </a>

            <p> <span>50</span> Available position</p>

          </div>

        </div>

        <div class="col-lg-4 col-xl-3 col-md-6">

          <div class="single_catagory">

  <!-- popular_catagory_area_end  -->


  <!-- job_listing_area_start  -->

  <div class="job_listing_area">
```

```html
<div class="container">

  <div class="row align-items-center">

    <div class="col-lg-6">

      <div class="section_title">

        <h3>Job Listing</h3>

      </div>

    </div>

    <div class="col-lg-6">

      <div class="brouse_job text-right">

        <a      href="jobboard2/jobs.html"      class="boxed-
btn4">Browse More Job</a>

      </div>

    </div>

  </div>

  <div class="job_lists">

    <div class="row">

      <div class="col-lg-12 col-md-12">

        <div    class="single_jobs    white-bg    d-flex    justify-
content-between">

          <div class="jobs_left d-flex align-items-center">

            <div class="thumb">

              <img        src="jobboard2/img/svg_icon/1.svg"
alt="">
```

```html
                    </div>

                    <div class="jobs_conetent">

                        <a
href="jobboard2/job_details.html"><h4>Software
Engineer</h4></a>

                            <div class="links_locat d-flex align-items-
center">

                                <div class="location">

                                    <p> <i class="fa fa-map-marker"></i>
Ashok Nagar,Bilaspur</p>

                                </div>

                                <div class="location">

                                    <p> <i class="fa fa-clock-o"></i> Part-
time</p>

                                </div>

                            </div>

                        </div>

                    </div>

                    <div class="jobs_right">

                        <div class="apply_now">

                            <a class="heart_mark" href="#"> <i class="ti-
heart"></i> </a>

                            <a             href="jobboard2/job_details.html"
class="boxed-btn3">Apply Now</a>

                        </div>
```

29

```html
            <div class="date">
              <p>Date line: 31 Jan 2020</p>
            </div>
          </div>
        </div>
                  <p> <i class="fa fa-clock-o"></i> Part-time</p>
                </div>
              </div>
            </div>
          </div>
          <div class="jobs_right">
            <div class="apply_now">
              <a class="heart_mark" href="#"> <i class="ti-heart"></i> </a>
              <a          href="jobboard2/job_details.html" class="boxed-btn3">Apply Now</a>
            </div>
            <div class="date">
              <p>Date line: 31 Jan 2020</p>
            </div>
          </div>
        </div>
```

```
                    </div>

            <div class="col-lg-12 col-md-12">

                <div class="single_jobs white-bg d-flex justify-
content-between">

                    <div class="jobs_left d-flex align-items-center">

                        <div class="thumb">

                            <img      src="jobboard2/img/svg_icon/3.svg"
alt="">

                        </div>

                        <div class="jobs_conetent">

                            <a
href="jobboard2/job_details.html"><h4>Wordpress
Developer</h4></a>

                            <div class="links_locat d-flex align-items-
center">

                                <div class="location">

                                    <p> <i class="fa fa-map-marker"></i>
Jabdapara,Bilaspur</p>

                                </div>

                                <div class="location">

                                    <p> <i class="fa fa-clock-o"></i> Part-
time</p>

                                </div>

                            </div>

                        </div>
```
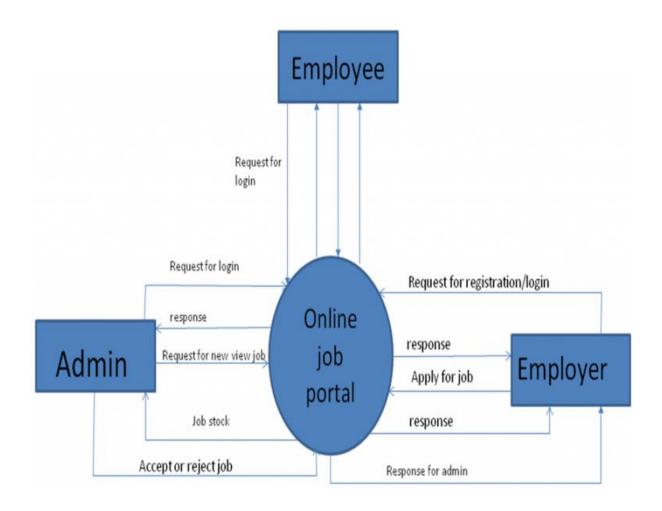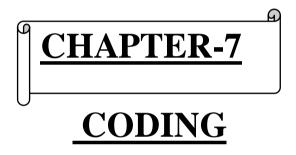
```
                        </div>

                        <div class="jobs_right">

                            <div class="apply_now">

                                <a class="heart_mark" href="#"> <i class="ti-
heart"></i> </a>

                                <a           href="jobboard2/job_details.html"
class="boxed-btn3">Apply Now</a>

                            </div>

                            <div class="date">

                                <p>Date line: 31 Jan 2020</p>

                            </div>

                        </div>

                    </div>

                </div>

                <div class="col-lg-12 col-md-12">

                    <div class="single_jobs  white-bg  d-flex  justify-
content-between">

                        <div class="jobs_left d-flex align-items-center">

                            <div class="thumb">

                                <img       src="jobboard2/img/svg_icon/4.svg"
alt="">

                            </div>

                            <div class="jobs_conetent">
```

```
                    <a
href="jobboard2/job_details.html"><h4>Visual  Designer</h4></a>

            <a        href="jobboard2/jobs.html"        class="boxed-
btn4">Browse More Job</a>

        </div>

      </div>

    </div>

    <div class="row">

      <div class="col-lg-4 col-xl-3 col-md-6">

        <div class="single_company">

          <div class="thumb">

            <img src="jobboard2/img/svg_icon/5.svg" alt="">

          </div>

          <a            href="jobboard2/jobs.html"><h3>Snack
Studio</h3></a>

          <p> <span>50</span> Available position</p>

        </div>

      </div>

      <div class="col-lg-4 col-xl-3 col-md-6">

        <div class="single_company">

          <div class="thumb">

            <img src="jobboard2/img/svg_icon/4.svg" alt="">

          </div>
```

```html
                    <a              href="jobboard2/jobs.html"><h3>Snack
Studio</h3></a>

                        <p> <span>50</span> Available position</p>

                </div>

            </div>

            <div class="col-lg-4 col-xl-3 col-md-6">

                <div class="single_company">

                    <div class="thumb">

                        <img src="jobboard2/img/svg_icon/3.svg" alt="">

                    </div>

                    <a              href="jobboard2/jobs.html"><h3>Snack
Studio</h3></a>

                        <p> <span>50</span> Available position</p>

                </div>

            </div>

            <div class="col-lg-4 col-xl-3 col-md-6">

                <div class="single_company">

                    <div class="thumb">

                        <img src="jobboard2/img/svg_icon/1.svg" alt="">

                    </div>

                    <a              href="jobboard2/jobs.html"><h3>Snack
Studio</h3></a>

                        <p> <span>50</span> Available position</p>
```

```
            </div>

        </div>

    </div>


    <!-- job_searcing_wrap -->
    <div class="job_searcing_wrap overlay">
        <div class="container">
            <div class="row">
                <div class="col-lg-5 offset-lg-1 col-md-6">
                    <div class="searching_text">
                        <h3>Looking for a Job?</h3>
                        <p>We provide online instant cash loans with quick
approval </p>
                        <a    href="jobboard2/contact.html"    class="boxed-
btn3">Browse Job</a>
                    </div>
                </div>
                <div class="col-lg-5 offset-lg-1 col-md-6">
                    <div class="searching_text">
                        <h3>Looking for a Expert?</h3>
                        <p>We provide online instant cash loans with quick
approval </p>
                        <a    href="jobboard2/contact.html"    class="boxed-
btn3">Post a Job</a>
```

```
                    </div>

                </div>

            </div>

        </div>

        <!-- job_searcing_wrap end  -->


        <!-- testimonial_area  -->
        <div class="testimonial_area  ">
            <div class="container">
                <div class="row">
                    <div class="col-lg-12">
                        <div class="section_title text-center mb-40">
                            <h3>Testimonial</h3>
                        </div>
                    </div>
                    <div class="col-xl-12">
                        <div class="testmonial_active owl-carousel">
                            <div class="single_carousel">
                                <div class="row">
                                    <div class="col-lg-11">
                                        <div class="single_testmonial d-flex align-
items-center">
```

36

```html
                </h3>

                <ul>

                    <li><a href="#">About </a></li>

                    <li><a href="#"> Pricing</a></li>

                    <li><a href="#">Carrier Tips</a></li>

                    <li><a href="#">FAQ</a></li>

                </ul>


            </div>

        </div>

        <div class="col-xl-3 col-md-6 col-lg-3">

            <div class="footer_widget wow fadeInUp" data-wow-
duration="1.2s" data-wow-delay=".5s">

                <h3 class="footer_title">

                    Category

                </h3>

                <ul>

                    <li><a href="#">Design & Art</a></li>

                    <li><a href="#">Engineering</a></li>

                    <li><a href="#">Sales & Marketing</a></li>

                    <li><a href="#">Finance</a></li>

                </ul>

            </div>
```

```
            </div>

            <div class="col-xl-4 col-md-6 col-lg-4">

                <div class="footer_widget wow fadeInUp" data-wow-
duration="1.3s" data-wow-delay=".6s">

                    <h3 class="footer_title">

                        Subscribe

                    </h3>

                    <form action="#" class="newsletter_form">

                        <input   type="text"   placeholder="Enter   your
mail">

                        <button type="submit">Subscribe</button>

                    </form>

                    <p class="newsletter_text">Esteem spirit temper too
say adieus who direct esteem esteems

                        luckily.</p>

                </div>

            </div>

        </div>

    </div><div class="copy-right_text wow fadeInUp" data-wow-
duration="1.4s" data-wow-delay=".3s">

  <div class="container">

    <div class="footer_border"></div>

    <div class="row">
```

```html
        <div class="col-xl-12">

            <p class="copy_right text-center">

                <!-- Link back to Colorlib can't be removed. Template is
licensed under CC BY 3.0. -->

                <div class="wthree_footer_copy">

                    <p>© 2019 Job Board. All rights reserved | Design by
<a      href="web/http://www.google.com/bharat"      style="color:
aliceblue">Nvky-2019</a></p>

                </div>


        </div>

    </div>

  </div>

</div>

</footer>

  <!--/ footer end  -->


  </div>


</body>


</html>
```

Chapter -8

OUTPUT DESIGN

Home Page

Mide page

Footer

Candidate

Job List

Job Description

ApplyingFor   Job

Company   List

Chapter -9

CONCLUSION

10.2 **CONCLUSION** –

If there was one word to describe where employee-based salons and spas are today, that word would be "uncertainty."

Never in my all my years have I seen so many owners so concerned about the future of their businesses. If you're one of them, you have every right to be.

Owners that are tired and beat up with turnover, debt and trying to be profitable are looking at booth rental or getting out entirely.

Professional retail products being sold on Amazon and other retail outlets like Ulta Beauty. The days of "Professional Only" are gone.

My intent is not to forecast gloom and doom for the industry and employee-based salons/spas.

My intent is to deliver a "Wake-Up Call" to ALL employee-based salon/spa owners to respond to the dynamic and dramatic forces of change that have been taking place.

CHAPTER-10

FUTURE ASPECT OF PROJECT

10.1. **Future Enhancements**.

- It includes the online process of developing, marketing, selling and delivering in India has third largest internet population in the world and growing at unprecedented price.

- Efficiency – Quickly create large amounts of high-quality content at low cost
- Top search engine ranking for your website
- More visitors to your site and longer dwell time
- Improve your conversion rate
- Reduction of the rate
- Stand out from the competition
- Numerous services in all major languages from one source
- Quality assured results
- Scaleable throughput
- Flexible workforce

CHAPTER-11

REFRENCE

REFERENCES

Web Site:

www.tcs.com

-TCS official website

www.msdn.microsoft.com

-Microsoft official website

http://sourceforge.net/

- Largest repository of open source code and applications available on the internet

http://www.gnu.org

- Web site of the Free Software Foundation (FSF) which supports the open source community

http://www.thefreecountry.com

- Large collection of good programming resources

http://www.1001tutorials.com/

- Large collection of good tutorials for reference

http://www.codeguru.com/

- Good articles on programming.

A
PROJECT REPORT
ON

"MEDICAL STORE MANAGEMENT SYSTEM"
Submitted in Partial Fulfillment for Award of
POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS
(P.G.D.C.A.)
FROM

ATAL BIHARI VAJPAYEE VISHWAVIDYALAYA, BILASPUR (C.G.)

SESSION 2020-21

Guided By: **Submitted By:**

Ku.Bhagwati Shukla   **Durgeshwari Patel**

                                                        Kusumlata Patel

Submitted By:

GOVT.M.S.N. GIRLS P.G. COLLEGE, BILASPUR (C.G.)

CERTIFICATE FROM THE GUIDE

       This is to certify that the project Work entitled "**Medical Store management System"** is submitted **GOVT.M.S.N.GIRLS.P.G.COLLEGE, BILASPUR** by **DURGESHWARI PATEL & KUSUMLATA PATEL** in the fulfillment for the requirements relating to nature and standard for the award of **POST GRADUATE DIPLOMA IN COMPUTER APPLICATION** for the academic year 2020-21.

       This project work has been carried out under my guidance.

GUIDED NAME

Ku.Bhagwati Shukla

CERTIFICATE OF EVALUATION

This is to certify that the project Work entitled "**Medical Store Management System"** carried out **DURGESHWARI PATEL & KUSUMLATA PATEL** a student of **P.G.D.C.A. at GOVT. M. S. N. GIRLS. P. G. COLLEGE, BILASPUR** after proper evolution and examination is hereby approved as a credible work in the discipline of Computer Science & information Technology and done in a satisfactory manner for its acceptance as a requisite for the award of degree of **POST GRADUATE DIPLOMA IN COMPUTER APPLICATION** for the academic year 2020-21.

Internal Examiner   **External Examiner**

DECLARATION

This is to certify that the Project report entitled "**Medical Store management System "** which is submitted by me in the partial fulfillment for the award of **POST GRADUATE DIPLOMA IN COMPUTER APPLICATION AT GOVT.M.S.N.GIRLS.P.G.COLLEGE, BILASPUR (C.G.)** comprises the original work carried out by me further declare that the work reported in this project has been submitted and will not be submitted, either in part or in full the award of any other degree or diploma in this institute of any other institute or University.

Place: - Bilaspur   **Name – DURGESHWARI PATEL**

Date: - ……………   **KUSUMLATA PATEL**

ACKNOWLEDGEMENT

A number of individual have contributed to the completion of this project report on "**MEDICAL STORE MANAGEMENT SYSTEM"** I gratefully acknowledge the contribution of each of them. I feel pleaser in thanking **Dr.AARTI SINGH THAKUR,** Head of computer Science for rendering all the necessary facilities during the work on this project. I would like to express my sincere thank to my guide **MIS. DURGESHWARI PATEL & KUSUMLATA PATEL,** Who has given their valuable time and guidance during the preparation of this project, without which this success was impossible. Her co-operation, encouragements, appreciation and interest in this project hare proved faithful. Least but not the last I would like to thanks all my teaching staff members for their help. And I would also like to thanks all my group members, friends any my family members who have directly or indirectly helped me in completing the task successfully.

<div align="right">

DURGESHWARI PATEL
KUSUMLATA PATEL
(PGDCA)

</div>

1. PROJECT PROFILES

Definition

I prepare the project of Patel medical on Windows XP. Because I have knowledge of VB and Oracle it. medical is very different types of subject there are many types of product in over project and give a very smooth and very easy detail in over project and also relative physical detail in customer to our project.

❖ Scope

It works on Windows 98 and appears version windows. It will be developed for Patel medical. It is user friendly all information is English like language. There for any user can easily use p project.

❖ Objective

System   : Windows XP

Front-end : Visual Basic

Back-end : Oracle

2. SYSTEM REQUIREMENT & SPECIFICATION

❖ SYSTEM ANALYSIS

Now a days we do all work with computerized system but with current system is very complicated to keep the track of all registers and handle them manually. As well as that medical shop management system project report work is time consuming & also expensive in that medical shop management system project report system report work may be not accurate and not fastest.

Drawbacks of current system

1. Time consuming…

2. More expensive…

3. Searching problem…

4. Maintains problem of all registers…

5. Less accuracy…

6. Problem for marking of not normal value…

7. More stationary…

8. Display multiple reports…

Advantages of computerized system

1. Time saving…
2. Less expensive…
3. Powerful searching…
4. Solve the problem of maintains register…
5. More accuracy…
6. Easy generate report…
7. Not display multiple reports…

FEASIBILITY STUDY

There are 3 major Ares that medical store management system project report determine the feasibility of the project . These all areas combine defines whether the project is feasible or not .

These major areas are given below:

1) Technical Feasibility :

It is considered in terms of technical requirements ans their availability in the markets. It determines whether the current level of technology supports the proposed system or not . The technical possibility of proposed system or not. The technical possibility of proposed system is as follows:

♦ The units does process the hardware as well as related medical shop management system software for the projects.
♦ The proposed system does not require much technical details.
♦ The current manual working is not so much sufficient.
♦ It just requires window operating system.
♦ The organization has already purchase all the enough devises for latest technology.

Hence, the proposed system is technically feasible.

2) Economically Feasibility:

The economical feasibility is considered in terms of money/price value .The organization measure the cost effectiveness of the project . The economical feasibility of the proposed system is as under:

♦ The organization is ready to invest in proposed system for latest technology and best result.
♦ As the personnel and the manager know the computer operating, the unit need not have to appoint any computer operater.
♦ The units has not be spend much amount for the computer hardware and medical shop management system software.
The organization is in position and also incapable to pay for the system.

3) Operational Feasibility:

As the ultimate feasibility, consideration of the proposed system will fulfill the department's requirements. It decides whether the proposed system covers all the operational feasibility is as under :

♦ The proposed system will fulfill the organization's requirements.
♦ The proposed system covers all the aspects of current manual system .
♦ The responsible users of the system i.e. manager , accountant and partner are honestly enthusiastic for the new system.
♦ The changes of that medical shop management system project report system being operational are quite strong.

PROPOSED SYSTEM:

In proposed system, the management needs not to keep any type of registers, which they use to keep in old one. They have work only with one computer. All the details are stored in computer files. The dual entries are done very quickly as entry in one file only , affects the other file where it has to record. In the way there is no need to record the computer operator.

The working through registers system is not only very laborious and time consuming , but there are number of errors found. In comparison to old system the proposed system of computer processes many advantages.

Some of the merits of proposed system are as follows:-

• Accuracy:-

It is one of the features of computer that medical store management system project report it provides accuracy result. It is often said, "Man does mistakes but machines never".

When a man works there seems numbers of errors and mistakes in performing calculation and other things, while it is not in case with computers.

• Security:-

The security is maintained vary comfortably in computers. Secretes are not disclosed off, as there are password settings in the computers. So the firm can get the benefit of non-disclosure of its secrets to the outsider competitors as well as other non-authorized persons.

- **Time saving:-**

     The computerized system is time saving. On an immediate inquiry , the operator or any authorized person has to just click some switches and get the information in few seconds.

- **Perform Repetitive Task Very Well:-**

     It is said that medical store management system project report computer never tires. I do the repetitive task very well as it never feels laziness. Performance of repetitive task by a man is not well

Performed, as main tires very quickly and feels lazy.   It is not in the case with computer. So, proposed system is beneficial than Old one.

- **Low cost:-**

     The computer need not change year as it happens in case of registers. In register system clerk , employees and also managers are needed to fulfill the management activity while in computer system the two persons are enough for all the work. So in proposed system the two persons are enough for all the work . so in proposed system the two persons and expenses of registers are saved annually.

- **Easy Maintenance:-**

     The maintenance of the computer is not tough job as compared to the registers, as it may not be lost or damaged. So there is only soft or easy maintenance needed with computers.

- **Easy Modification:-**

     In case of any change in data stored , the modification or editing can be done vary easily and clearly trough computers, but that medical shop management system project report is not possible with registers.

- **Attractive and Status:-**

     Computer creates   different kind of impression in mind of computer or any other person . computer tends to increase in reputation/status of the firm . whenever party required any information the units has just to print to out clicking some switches . so with the help of computers , promoters can increase their profit .

     Hence , with these merits , it would be very unwise and   reckless to manage the organization through the system of book keeping . as it is said that medical store management system project report prevention is better than cure , it would be very fine and intelligent decision to have computer application system in management.

SYSTEM   REQUIREMENT

Hardware Requirement

- ♦ Pentium processor

- ♦ 256 GB RAM

- ♦ 80 GB Hard Disk

- ♦ Keyboard & mouse

medical shop management system software Requirement

- ♦ Operating System: Windows XP

- ♦ Front end tool: Visual Basic 6.0

- ♦ Back end tool: Oracle 8i

- ♦ Others: Unbound connectivity with Oracle database by ADODB Control of visual basic

USER REQUIREMENT

Features of VB

Features of VB Visual basic syntax ideally suited for producing windows application. Msword, MsAccess and MsPowerPoint all share visual basic for application the exact same language syntax in visual basic in 6.0.

Visual basic continues the tradition Of simple, powerful and easy to learn language yet adds enough extended capabilities to the satisfy o most jaded developer.

Several significant facts contribute to visual basic is bright future. First visual basic hedge product millions of developers of all skills levels are producing application with visual basic secondly VB powerful development system. It contain built in function to its intrinsic features VB provides the capability to produce custom libraries and objects that medical store management system project report can be loaded at run time or bound to the distributable application. Thirdly VB also well supported by their party product. Microsoft is indisputably the largest and the most successfully medical shop management system software company in the world.

For all these and many more visual basic is indisputably the most attractive development environment urgently available. In the contrast to the absolute systems of the past, visual basic has an under sizably bright and shining future**.**

About Oracle 8i **Introduction**

In 1977 Larry Elision, Bob Miner & Ed Oates formatted a company built RDBMS using C & the SQL interface. Soon, after they come out with version 1, a prototype. In 1979 RSI delivered its first product to customers. The Oracle RDBMS version 2 worked on the digital PDP-2 operating system & was soon ported to the DEC VAX system. 1983 heralded the release of version 3, which touted changes in the SQL languages as well as performance enhancement & other improvements. Unlike earlier version 3 was written almost entirely in c. At that medical shop management system project report point RSI change its name to ORACLE CORPORATION.

Oracle version 4 was released in 1984. That medical shop management system project report version supported both the VAX system and the IBM operating system. Version 4 was the first version to incorporate read consistency. Version 5 introduced in 1985, was milestone it introduced client/server computing to the market with the use of SQL*NET. Version 5 was also the first MS-DOS product to break through the 640 KB barrier.

In 1988 Oracle presented version 6 which introduced low level locking as well as a verity of performance improvements & functionality enhancement including sequence generation & differed writes. I was introduced to Oracle 6 back in the days when we ran the TPI, TCP-A & TCP-B benchmark. At that medical shop management system project report point oracle was running on a large verity of different platforms & operating systems. In 1991 Oracle introduced the oracle parallel server option was available on a variety of platforms.

Oracle 7 released in 1992 including many architecture changes in the area of memory, CPU & I/O utilization. Oracle 7 is a full-featured RDBMS to which you are accustomed the one you have been using for many years.

3. PURPOSE OF PROJECT

APPLICATION

The Proposed Patel medical management is the completely computerized.

In proposed system there is no need to maintain data about medicine because all process of that medical store management system project report data done in computerized.

The modern age the age of computer is an electronic device, which fetched record very quickly. The computers are very quickly accepted in trade line as it as many advantages such as speed, accuracy, security etc.

In that medical shop management system project report proposed system all the add, edit, delete, search in project of computer are done through computerized system.

REQUIREMENTS

In purpose of project, the management needs not to keep any type of registers, which they use to keep in on one. They have work with only one computer. The dual entries are done very quickly as entry is one file only.

The generation is very fast. Every one wants to work quick and rapidity

So, that medical shop management system project report not possible with the manual system so, we use that medical shop management system project report system with computer and get the answer quick and fast as soon as possible

4. SYSTEM DESIGN

DATA DESIGN

One of the tools of structured analysis is the diagram. A data flow diagram is a graphical representation of the system. The analyst can use dataflow diagram to explain that medical shop management system project report understanding about the system.

APPLICATION:-

- Data flows are an intuitive way of showing how data is processed by a system.
- At analysis level analyst should be used to model the way in which data is processed in the existing system.
- Data flow models are used to show how data flows through a sequence of processing steps.

DESCRIPTION:-

- A graphical tool used to describe and analyze the movement of data through a system manual or automated including the process store of data and delays in the system.
- The transformation of data from input to output through processes may be described logically and independently of the physical component associated with system.
- The data transformation at each step before moving on to the next stage. These processing steps or transformation are programs function when data flow diagrams are used to documents a medical shop management system software design.

The symbols that medical store management system project report are used in the data flow diagram carry following meaning.

Rectangle   **it symbolizes the**

sources. Ellipse/Circle   **it**

symbolizes the process.

Open Rectangle it symbolizes store data.

Unmarked Line   **it symbolizes connectivity Without a dataflow.**

Marked Lineit symbolizes connectivity With a dataflow.

Data flow diagram

FLOW CHART

SPLASH

LOGIN

PURCHAS

REPORT

MDI

SALE

STOCK

BILL

ITEM

EXI

7.TESTING

❖ TESTING PRINCIPALS

medical shop management system software testability is simply how easily computers programs can be tested. The checklist that medical store management system project report follows provides a set of characteristics that medical store management system project report lead to testable medical shop management system software.

- Portability.
- Observable.
- Controllability.
- Decomposability.
- Simplicity.
- Stability.
- Understandability.

TESTING METHOD

The phase of system development life cycle tests system design. Testing of system decides whether the newly designed system works properly or not.After the development of documentation manually about the system that medical shop management system project report stage is checked. And if the system working properly then it will be considered for implementation and if isn't then system analyst is informed to find out generated errors or problems and to find out its solutions. That medical shop management system project report process is known as debugging.

For any medical shop management system software system testing means to check out it's coding.If there is not any problem in the coding then that medical store management system project report code is proper and efficient to design.If we are not getting proper or required output then we have to debug the system coding.So,the debugging is also a subpart of the testing section.If the system runs correctly during testing then is no need to debug.

During the testing of our project we have to face different types of errors. Especially,database errors annoyed us but at last we solved it,successfully.Some of the errors are listed below with their cause and solution.

VARIOUS TESTING METHOD

There are many methods for testing as system testing can be one of the following types,

➤ Unit Testing:-

Unit testing means to test individual unit of the system.Each unit is tested thoroughly for its errors and outputs.All the units of system are tested and if found of then assemble into one system and then system testing is done.

Unit Testing Plan Is Sub Divided Into Following Parts:-
- Functional Test
- Code Test
- Navigation Test
- Cosmetic Test

Various Level Testing:-

- Field Level Testing
- Query Level Testing
- Program Level Testing

➤ Black Box Testing:-

That medical shop management system project report is concerned with the proper execution of the program specification. In that medical shop management system project report testing, each function or sub program used in the main is first identified. It is complementary to White Box Testing. It uncovers a different class of errors which are not discovered by White box Methods

➤ White Box Testing:-

That medical shop management system project report is concerned with implementation of the program. In that medical shop management system project report, different programming structures and data structures used in program are tested for missing function, performance errors, Errors in external database access, Initializing and terminating errors.

➤ Interface Testing:-

That medical shop management system project report is concerned with the both program specification and program implementation. That medical shop management system project report type of testing is particularly important for object oriented system.

➢ **Alpha Testing:-**

Test performed at the developer's siteBefore the system is finally installed in the working environment is known as alpha Testing. It is also known as Acceptance test since it is performed before the system is accepted as being fit for intended users.

➢ **Beta Testing:-**

In that medical shop management system project report testing, the system is delivered to a number of potential uses who agree out use that medical store management system project report system and provide feedback to the desiners.Testing should be repeated if any modification is done based on the feedback given by the users. Hence, it is sometimes called as regression testing.

Project category

Web-Based Software

Languages to be used:

Front End: PHP
.

PHP is a server-side, cross-platform, HTML-embedded scripting language. PHP (recursive acronym for PHP: Hypertext Preprocessor) is a widely-used open source general-purpose scripting language that is especially suited for web development and can be embedded into HTML.

Currently there are over half a million domains running PHP.Much of PHP's syntax is borrowed from C, Java and Pearl with a couple of unique PHP-specific features thrown in. The goal of the language is to allow web developers to write dynamically generated pages quickly. PHP eliminates the need for numerous small cgi programs by allowing you to place simple scripts directly in your HTML files. It also makes it easier to manage large web sites by placing all components of a web page in a single html file.

PHP is mainly focused on server-side scripting, so you can do anything any other CGI program can do, such as collect form data, generate dynamic page content, or send and receive cookies.

PHP can be used on all major operating systems, including Linux, many Unix variants (including HP-UX, Solaris and OpenBSD), Microsoft Windows, Mac OS X, RISC OS, and probably others. PHP has also support for most of the web servers today.

One of the strongest and most significant features in PHP is its support for a wide range of databases. Writing a database-enabled web page is incredibly simple using one of the database specific extensions (e.g., for mysql), or using an abstraction layer like PDO, or connect to any database supporting the Open Database Connection standard via the ODBC extension. Other databases may utilize URL or sockets, like Couch DB.

Back End: MySQL

MySQL is the world's most popular open source database software, with over 100 million copies of its software downloaded or distributed throughout it's history. With its superior speed, reliability, and ease of use, MySQL has become the preferred choice for Web, Web 2.0, SaaS, ISV, Telecom companies and forward-thinking corporate IT Managers because it eliminates the major problems associated with downtime, maintenance and administration for modern, online applications.

MySQL is a open source Relational Database Manage.ment System. MySQL is very fast reliable and flexible Database Management System. It provides a very high performance and it is multi-threaded and multi user Relational Database management system.

MySQL is one of the most popular relational database Management System on the web. The MySQL Database has become the world's most popular open source Database, because it is free and available on almost all the platforms. The MySQL can run on Unix , window, and Mac OS. MySQL is used for the internet applications as it provides good speed and is very secure. MySQL was developed to manage large volumes of data at very high speed to overcome the problems of existing solutions. MySQL can be used for variety of applications but it is mostly used for the web applications on the internet.

Application Server: Xampp Server

XAMPP is a free and open sourcecross-platformweb serversolution stack package, consisting mainly of the Apache HTTP Server, MySQLdatabase, and interpreters for scripts written in the PHP and Perlprogramming languages.

XAMPP's name is an acronym for- X (to be read as "cross", meaning cross-platform),Apache HTTP Server,MySQL,PHP,Perl.

The program is released under the terms of the GNU General Public License and acts as a free web server capable of serving dynamic pages. XAMPP is available for Microsoft Windows, Linux, Solaris, and Mac OS X, and is mainly used for web development projects. This software is useful while you are creating dynamic webpages using programming languages like PHP, JSP, Servlets.

Requirements and features: XAMPP requires only one zip, tar, 7z, or exe file to be downloaded and run, and little or no configuration of the various components that make up the web server is required. XAMPP is regularly updated to incorporate the latest releases of Apache/MySQL/PHP and Perl. It also comes with a number of other modules including OpenSSL and phpMyAdmin.

Installing XAMPP takes less time than installing each of its components separately. Self-contained, multiple instances of XAMPP can exist on a single computer, and any given instance can be copied from one computer to another. It is offered in both a full, standard version and a smaller version.

Use: Officially, XAMPP's designers intended it for use only as a development tool, to allow website designers and programmers to test their work on their own computers without any access to the Internet. To make this as easy as possible, many important security features are disabled by default. In practice, however, XAMPP is sometimes used to actually serve web pages on the World Wide Web. A special tool is provided to password-protect the most important parts of the package.

IDE: (Integrated Development Environment)

An integrated development environment (IDE) (also known as integrated design environment, integrated debugging environment or interactive development environment) is a software application that provides comprehensive facilities to computer programmers for software development. An IDE normally consists of:

- *a source code editor*
- *a compiler and/or an interpreter*
- *build automation tools*
- *a debugger*

The boundary between an integrated development environment and other parts of the broader software development environment is not well-defined. Sometimes a version control system and various tools are integrated to simplify the construction of a GUI. Many modern IDEs also have a class browser, an object inspector, and a class hierarchydiagram, for use with object-oriented software development.

*We are using **Dreamweaver** as an IDE*

  S*oftware to be used in Project:*

       Front End   : *PHP*

       Back End   : *My SQL*

Application Server	*: Xampp Server*
Operating System	*: Windows, Linux.*

Hardware Requirements of the Project:

Processor	*: Pentium-4 or above*
Processor Speed	*: 2.00 GHz CPU*
RAM	*: 512 MB or above*
Hard Disk Utilization	*: 40 GB or above*

Structure of the Program:

PolyClinic is web based application which covers all aspects of management and operations of clinics. This website covers features of Doctors Details, Patients Records, Online appointments, Patient reports, billings, Clinical tests, Medical store billings etc.

The project supports to administrator to access complete application, Patient takes appointment through Online/Offline, Doctors manages patient reports, Receptionist approves patient's appointment and makes bill, and medical Store Administrator can view suggested prescription.

Each patients of the Polyclinic has a unique patient ID and password. By entering User ID and password patient can login to the polyclinic website and patient can view Appointment details, Patient reports, clinical tests, Billing, etc.

Speciality of health care center:

- Endoscopic Snus Surgery
- Micro-Ear Surgery
- Micro-Laryngeal Surgery
- Laser ENT Surgery

- Thyroid Surgery

Facilities provided by health care center :

- Consultation of 21 different specialists

- Full-Fledged Laboratory & Diagnosis center

- ECG & TMT facility

- Ultrasonography

- Digital X-ray

- Pulmonary Function Test

Over the years Arogya Multi speciality clinic as shown tremendous interest and services towards public by conducting serveral camps like diabetic camp, cancer camp, joint pain camp to bring awareness among the masses. And it also provides a medical check-up facility called 'Arogya Check-up' for a comprehensive Health check upprogramme. In future rural camps will be conducted by the ArogyaMultispeciality doctors for the benefit of poor patients.

Future Scope of the Project:

SMS features: If patient takes appointment or treatment SMS goes to Patients Cell Phone.

Medical Store: Medical Store Administrator can view suggested prescription through online by entering polyclinic patient ID.

- Patients can view reports, billing, etc

- Consumes less time and reduces human errors.

- Doctors can view patient's old reports.

- Medical store administrator can view suggested prescription through online by entering patients ID.

- User friendly.

1.1 Purpose

This document is to describe all the software requirement specification (SRS) for the Clinic-O-Sight (COS). The system aims to help the patients to take appointment online through internet and track their records through it.Polyclinic has been facing problems due to its paper-based appointment system. With the increase in the number of patients visiting, it has become difficult to manage the appointment system manually.The purpose of this project is to solve these complications by creating custom-built database software to manage the appointment system. For the receptionist it makes easy to set date and time for the treatment of the patient to the relevant doctor.Doctor enters medical prescription and receptionist takes the print.It also helps to maintain doctor's consultation fee, Laboratories and Testing charges automatically. And maintaining the employee salary and its expenses.

Document Conventions

When writing this document it was inherited that all requirements have the different priority levels. The levels of authentication are provided in four different aspects i.e. The Admin, the Receptionist, The Doctors and The Patients.

Intended Users and Reading Suggestions

- **Developers:**in order to be sure they are developing the right project that fulfills requirements provided in this document.

- **Testers:**in order to have an exact list of the features and functions that has to respond according to requirements and provided diagrams.

- **Users:**in order to get familiar with the idea of the project and suggest other features that would make it even more functional.

- **Documentation writers:**to know what features and in what way they have to explain. What security technologies are required, how the system will response in each user's action etc.

- **Admin, Receptionist, Doctors and patients:** in order to know exactly what they have to expect from the system, right inputs and outputs and response in error situations.

Project Scope

The system has been facing problems due to its paper-based appointment system. With the increase in the number of patients visiting, it has become difficult to manage the appointment system manually. Recording of appointments and creating registers by pen and paper has become a tedious task. And also its difficult to manage huge number of patient database.

The COS web-application gives solution to the polyclinic patients and employees. This system which manages complete polyclinic details in a single application and in a single database.The users will use this system to handle all the functionalities easily. Doctors will also use the system to keep track of the patients consulting to them.The intentions of the system are to reduce over-time pay and increase the number of patients that can be treated accurately.Requirements statements in this document are both functional and non- functional.

References

Books   : An Integrated Approach Software Engineering 3rd Edition by PankajJalote.

Website   : http://www.W3shools.com/php/

http://in.php.net/

2.   Overall Description

Product Perspective

Product perspective is essentially the relationship of the product to the other products, defining if the product is independent or is part of a larger product (dependent), and what the principal interfaces of the product are.

This software is totally independent system that manages activities of the COS as taking appointments, generating patient reports, personnel management and administrative issues.

In this project all the records are stored in single database. Different users have different permission to access this web application. Each user has unique id. If any data is lost user is having option to recovery. User's don't have right to alter records after particular time period and also it is not having option to alter other patient records.

Product Features

- Authentication for different users.

- Real-time validation of all fields and database to prevent errors.

- Printing of prescription, certificate.

- History of patients recorded in database.

- Maintaining the billing section of the polyclinic.

- Maintains the salary and expenses.

- Built in backup and restore facilities.

- LAN compatible.

- Compatible with any platform.

User Classes and Characteristics

The admin,doctors, receptionists and patients will be the main users. The system is also designed to be user-friendly.

- Admin
- Receptionist
- Doctors
- Patients

Admin: Admin should have prior knowledge of the system. Admin is able to controlthe whole system. He/she can add, delete, update and modify the system.

Receptionists: in order to add or delete the details of the patients come for the treatment and accordingly provides identity to them.

Doctors: Doctor should fairly know about the usage of the system. Doctors are able to see the respective appointments taken. And also can view patient's details and records.

Casual users: Anyone can view the information of the polyclinic.Patients can view their own records and doctors details and timings. And also can take appointment online.

Operating Environment

This proposed software will be used in Windows platform in the version of Windows 7.MySQL will be used for the database to hold the patients, doctors and other employees' details.

- Operating system: Windows platform, linux, Mac OS
- Processor: Pentium 4
- Processor speed: 2.5 GHz
- RAM: 512MB
- Hard disk drive: 40GB

Design and Implementation Constraints

The COS system shall be a web based application system running in a windows environment. The system shall be developed using PHP and MySQL server.

A person who has no knowledge of computers will find it difficult to understand the system. But with a little knowledge it will be very easy to handle the project.

Standard compliances. This document follows IEEE standard for software requirement specification.

1 User Documentation

- A HTML Help file with a tutorial and full help on all features provided.

- Help pages will be providing document with screen shots.

- If the user has more queries regarding this website then he/she can contact with the administrator through contact us page.

Assumptions and Dependencies

- The code should be free with compilation errors/syntax errors.

- The product must have an interface which is simple enough to understand.

System Features

Login

Account

2.8.1.1 Descripti

on:

To open the user account the users have to enter login information.

Stimulus/response

User must enter valid user id and password to open user page. If it is valid then it links to user account page. If the user is new to the polyclinic he/she has to register.

Basic data flow

- Here first the user enters login id and password.

- After entering the login information system checks whether entered login id and password is valid or not.

- If it is valid then it is linked to the user account.

- If the user doesn't have user account then user needs to register.

Functional requirements

Here administrator, receptionist, doctors and patients are using the different login pages.

Admin

Description

Admin is a super-user. He/she is able to control the whole system. Admin can add, delete, update and modify the system.

Stimulus and response

Admin logs into the admin account and do the relevant changes daily. Admin keeps the system up-to-date.

Basic data flow

- Admin logs into the system.

- Can add/delete/update/modify records.

- He/she controls the entire system.

Functional requirements

Admin has got the rights to add/delete the doctor, employees, old records and can view the entire system.

<u>**Online appointment**</u>

Description:

Patients can take appointments through online by entering Date and Time. Receptionist approves this depending on doctors. Patient has to register or login to take appointment through online.

Stimulus/response

Patients should enter valid information to take appointment online. After entering appointment details receptionist verifies the information and gives date and timings.

Basic data flow

- Patient first logs into the website.

- After logging in, the patient enters the appointment information.

- The receptionist verifies the sent details from the patient and updates date and time.

- Patient receives the approval message with date and time.

Functional requirements

- Patients can take appointment online or through phone call.

- patient can view the old appointment details and their records.

Doctors Module:

Description:

Doctors can check appointments taken by patients. Doctors can view Patients Test reports and he can enter and view suggested prescription details. And also can check billing and monthly salary details.

Stimulus/responses:

Here doctor enters the patient report and enters prescription details.

Basic data flow

- doctor logins to the website.

- Doctor checks old record and appointment details.

- Doctor enters prescription and test reports.

- He can view salary and billing details.

Functional requirements

Doctor can view patient appointment, old records, prescription, payment details. And also can view his monthly salary.

Billing and Maintenance

Description :

In this page receptionist enters doctors consultancy fee, laboratory charge, etc. Maintenance page which calculates employee salary, expenses. Every month it calculates employee salary, total expenses. Expense and receptionist salary will shared equally by each doctors.

Stimulus/response

Receptionist enters consultancy fee, laboratory fee, etc of each patient. Every month system calculates automatically doctor's earnings, expenses, employee salary etc.

Basic dataflow

- Receptionist enters the consultancy fee and laboratory fee

- Receptionist enters the daily expenses, maintenance fee.

- Every month system generates employee salary , expenses, patients bill, etc. salary and expenses will be shared equally by each doctors

- System checks doctors earnings.

Funtional Requirements

- Consultancy fee

- Daily Expenses

- Employee Salary

- Doctors earnings

3.   ExternalInterfaceRequirement

All the interactions of the software with patients, doctors, receptionist, hardware and software are specified here.

User Interfaces

The user interface is designed in PHP. The developer will have to study the designing of the product. The use of the controls and the component from the Add items feature of the PHP. The user of the product will get very user friendly web page which will be very easy to work with.

Hardware Interfaces

This system doesn't require any hardware interface. The one used here is monitor, keyboard and mouse.

The system should have these hardware requirements:

- Processor: Intel Pentium4 3.2GHz or above
- Memory: 512MB or above
- Hard Disk Drive: 40GB or above

Software Interfaces

- Operating System: Windows, Linux, Mac OS
- Front End: PHP(Hypertext Preprocessor)
- Back End: MySQL

Communications Interfaces

Communication is done through internet and intranet.

4.   r Non-functionalRequirements

Performance Requirements

Cos manages facilities required by the casual users quickly and easily. It offers to take appointments faster through online. It takes appointment details from the patients and send the appointment date and timings to the particular patient.

Safety Requirements

- In case the user forgets or loses Password, the repair functionality helps by choosing "forgot password" option in the main login window.
- To avoid this kind of situations, backups can be done regularly.
- While typing the password, if the caps lock is on it must be notified.
- If the system is kept idle for 10 min the session will expire.

Security Requirements

This system is provided with authentication without which no user can pass. So only the legitimate users are allowed to use the application. If the legitimate user's share the authentication information then the system is open to outsiders.

Software Quality Attributes

Reliability: Good validations of user inputs will be done to avoid incorrect storage of records.

Maintainability: During the maintenance stage, SRS document can be referred for any validations.

Portability: This system can be installed in any personal computers supporting windows operating system platform.

Flexibility: The system keeps on updating the data according to the transactions that takes place.

Timeless: The system carries out all the operations with consumption of very less time.

Security: Security of the system is maintained d by giving access to only authenticated user id and password.

5.   . Other Requirements

5.1 Other Requirements

Database: The records of all operations are stored in database.

and seminar please provide project report of medical store billing system. of this medical store management in

Medical Store Management software is general for the development of above said project. System. At present Medical Stores maintain their day

Medical shop management system vb project report. Project report on mobile shop management. ppt on stock management in medical store using

Medical store management system project report covers detailed information on how to develop this project with useful information. Students can find database design

Medical Shop Management System VB Project Report Medical Shop Management System VB Project Report. Medical Store Management System.

Medical store system is medical shop Management System developed using VB.NET and SQL. Medical store system is an software application. Project Report. Project
 ,Medical shop Management system technology discussion,Medical shop Management inventory control system of medicine store, project report on

Project Report Document for Medical Store Management System document sample. Project Report Document for Medical Store Management System Management; Project

The main function of the Online Medical Management System Project is that Online Project Management System Project Report; Gain Store Management System Project;

Suppose an NGO serving a community for last 10 years with buying medicines from CDMU and others helps poor people to get treatment. Some compensation for getting medicines is paid by them. They have no drug license to store medicines at their clinics. Recently Drug Inspectors visited them and told them to stop clinical and medicines storing work till they get valid license to store the medicines. To get license they need special room with required size with concrete roof. Their office is under asbestos sheet and no Pucca roof top. Drug license cannot be obtained with Asbestos sheet roof. The NGO does not have funds to have such a building. Hence, what shall they do? Should they stop Work? If yes, why? If not, why? What to do to overcome the problem? What role can be played, by them? What CDMU should and can do for them in this situation?

A

PROJECT REPORT

ON

"BANK MANAGEMENT SYSTEM"

Submitted in partial Fulfillment for Award of

POST GRADUATE DIPLOMA IN COMPUTER APPLICATIONS

(P.G.D.C.A.)

FROM

ATAL BIHARI VJPAYEE VISHWAVIDYALAYA, BILASPUR

(C.G.)

SESSION 2020-21

Guided BY: Submitted BY:

Ku. Bhagwati shukla   Poonam Mishra

                                                                                                      Abha Keshar

                        Submitted TO:

GOVT.M.S.N.. GIRLS P.G. COLLEGE , BILASPUR (C. G.)

CERTIFICATE FROM THE GUIDE

This is to certify that the project work entitled " BANK MANAGEMENT SYSTEM" submitted GOVT. M.S.N. GIRLS P.G. COLLEGE BILASPUR (C.G) by POONAM MISHRA & ABHA KESHAR in the fulfillment for the requirements relating to nature and standard for the award of POST GRADUATE DIPLOMA IN COMPUTER APPLICATION for the academic year 2020-21

This project work hes been carried out under my guidance.

GUIDE NAME

KU. BHAGWATI SHUKLA

CERTIFICATE OF EVALUATION

This is to certify that the project work entitled **"BANK MANAGEMENT SYSTEM"** carried out **POONAM MISHRA & ABHA KESHAR** a student of **P.G.D.C.A at GOVT. M.S.N. GIRLS P.G. COLLEGE, BILASPUR (C.G.)** after proper evaluation and examination is hereby approved as a credible work in the discipline of computer science & information technology and is done in a satisfactory manner for its acceptance as a requisite for the award of degree of **POST GRADUATE DIPLOMA IN COMPUTER APPLICATION** for the academic year 2020-21

Internal Examiner   *External Examiner*

<u>DECLARATION</u>

This is to certify that the project report entitled **"BANK MANAGEMENT SYSTEM"** which is submitted by me in the Partial fulfillment for the award of **POST GRADUATE DIPLOMA IN COMPUTER at GOVT. M.S.N. GIRLS P.G. COLLEGE , BILASPUR (C.G.)** Comprises the original work carried out by me future declare that the work reported in this project hes been submitted and will not be submitted, either in part or in full for the award of any other degree Or diploma in this institute of any other institute or University.

Place: - Bilaspur   name: - **POONAM MISHRA**

Date: - _____   **ABHA KESHAR**

ACKNOWLEDGEMENT

A number of individual have contributed to the completion of this project report on **"BANK MANEGEMENT SYSTEM"** I graefully acknowledge the contribution of each of them.

I feel pleaser in thanking **Dr. AARTI SINGH THAKUR**, Hed of computer science for rendering all the necessary facilities during the work on this project.

I would like to express my sincere thanks to my guide **Ku. BHAGWATI SHUKLA**, who hes given their valuable time and guidance during the preparation of this project, without which this success was impossible. Her co-operation , encouragements , appreciation and interest in this project hare proved faitful.

Least but not the last I would like to thanks all my teaching staff members for their help.

And I would also like to thanks all my group members , friends and my family members whu have directly indirectly helped me in completing the task successfully.

POONAM MISHRA

ABHA KESHAR

(P.G.D.C.A)

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INTRODUCTION

During the past several decades personnel function has been transformed from a relatively obscure record keeping staff to central and top level management function. There are many factors that have influenced this transformation like technological advances, professionalism, and general recognition of human beings as most important resources.

A computer based management system is designed to handle all the primary information required to calculate monthly statements of customer account which include monthly statement of any month. Separate database is maintained to handle all the details required for the correct statement calculation and generation.

This project intends to introduce more user friendliness in the various activities such as record updation, maintenance, and searching. The searching of record has been made quite simple as all the details of the customer can be obtained by simply keying in the identification or account number of that customer. Similarly, record maintenance and updation can also be accomplished by using the account number with all the details being automatically generated. These details are also being promptly automatically updated in the master file thus keeping the record absolutely up-to-date.

The entire information has maintained in the database or Files and whoever wants to retrieve can't retrieve, only authorization user can retrieve the necessary information which can be easily be accessible from the file.

OBJECTIVE OF THE PROJECT

A computer based management system is designed to handle all the primary information required to calculate monthly statements of customer account which include monthly statement of any month. Separate database is maintained to handle all the details required for the correct statement calculation and generation.

This project intends to introduce more user friendliness in the various activities such as record updation, maintenance, and searching. The searching of record has been made quite simple as all the details of the customer can be obtained by simply keying in the identification or account number of that customer. Similarly, record maintenance and updation can also be accomplished by using the account number with all the details being automatically generated. These details are also being promptly automatically updated in the master file thus keeping the record absolutely up-to-date.

The main objective of our project is providing the different typed of customers facility, the main objective of this system is to find out the actual customer service. Etc.

- It should fulfill almost all the process requirements of any Bank.
- It should increase the productivity of bank by utilizing the working hours more and more, with minimum manpower.

This project includes the entire upgraded feature required for the computerization banking system. This system is very easy to use, so that any user can use without getting pre-knowledge about this. Its very much user friendly and meet almost all daily working process requirements. This system is completely GUI based and can be use by mouse and as well as keyboard. This system is melded in such a way that has got all features to upgrade without making much change in existing components.

FEASIBILITY ANALYSIS:-

Depending on the results of the initial investigation, the survey is expanded to a more detailed feasibility study. A feasibility study is a test of a system proposal. According to its workability, impact on the organization, ability to meet user's needs and effective use of the resources its main task done during the feasibility study are:-

1. Evaluation of existing system and procedures. Our group went to various Banking Professionals to gather information about the software system. They are using and evaluating those system and the procedures invoked in it during the period of feasibility study.

2. Analysis of alternative candidate systems after studying the various systems we derived various alternatives through which we develop our project and evaluated the alternative. The most appropriate is selected.

FEASIBILITY STUDY

The only tangible benefit provided by the proposed system is that the paper work is reduced to the minimum and hence the reduction in cost incurred on Stationary and its storage. The system provides many benefits that can't be measured in terms of Money for e.g. user's friendliness, more user response being more efficient.

TECHNICAL FEASIBILITY:-

 The proposed system is technically feasible as it can be developed easily with the help of available technology. The proposed system requires MS – VISUAL Studio 2005 using VB.Net as a Interface for Programming & back-end as MS-SQL Server 2000 for storing/maintaining database. The database can be easily interconnected using MS-SQL Server 2000.

OPERATIONAL FEASIBILITY:-

Automation makes our life easy. The proposed system is highly user friendly and is much easily able to interact with the system. Therefore the users will readily accept the system as data entry and making queries can be easily done.

SYSYTEM REQUIREMENTS

Hardware specifications

Hardware is a set of physical components, which performs the functions of applying appropriate, predefined instructions. In other words, one can say that electronic and mechanical parts of computer constitute hardware.
This package is designed on a powerful programming language Visual Basic. It is a powerful Graphical User Interface. The backend is ACCESS, which is used to maintain database. It can run on almost all the popular microcomputers. The following are the minimum hardware specifications to run this package: -
Personal Computer: - It minimum contains P-III Processor with 128 MB RAM

Bank Management System

Software Requirements:

The software is a set of procedures of coded information or a program which when fed into the computer hardware, enables the computer to perform the various tasks. Software is like a current inside the wire, which cannot be seen but its effect can be felt.

1. Operating System:- Windows NT / 2000 / XP

2. Application Software:- Application software uses front end visual basic and database access etc.

Editor:- Visual basic.

SOFTWARE DEVELOPMENT LIFE CYCLE

A system development life cycle is a logical process by which system analysts, software engineers, programmers, and end users build information systems and computer applications to solve business problems and needs.

The major phases involved in the MIS development process are referred to as system development life cycle. Each phase of the development process must have well defined objectives ,and at the end of each phase ,progress towards meeting the objectives must be evaluated.

The development process should not continue until the objectives of all prior phases have been met.

System development life cycle is a phased approach to analysis and design to ensure that systems are best developed.

The system development life cycle can be divided into seven phases as shown in fig

<u>INTRODUCTION TO FRONT END TOOL</u>

➤ Visual programming aims at providing the user with an interface that is intuitive and easy to use. In developing such an interface, the programmer employs user-friendly features such as windows, menus, buttons and list boxes.

➤ Its Environment provides all features that are required to develop a graphical user interface as ready -to- use components. The programmer does not have to write code to create and display commonly required user-friendly features each time around.

➤ When the programmer needs a specific user interface feature such as button,

he selects the appropriate ready-to-use component provided by the visual programming environment. These components can be moved, resized and renamed as required.

➤ **For Example:-**

If the   programmer needs to have a button then the visual programming environment provides him with one. All that, the programmer does this selec t the button and place it on screen at the required position.

➤ Typically the mouse is used to select and place the necessary components. Thus, the visual programming environment is also called a point and click environment.

➤ A visual programming environment automates the process of creating a user interface. The interface provided by the visual programming environment to the programmer designs the user interface visually instead of writing code.

➤ In addition it also provides a means of associating code with each component. In each case of calculator, for each button, we can specific that the code is to execute when we click on it.

NEED FOR VISUAL PROGRAMMING:-

➤ There are several programming tools that allow us to build such visually appealing and intuitive interface. These tools allow us to design interface that employ user friendly features such as menus, buttons, windows etc.

➤ However, the disadvantage of such tools is that the interface is designed using code. The programmer has to code the user interface features specifying the size, position etc. this makes designing the user interface a major task in itself.

ADVANTAGES OF VISUAL PROGRAMMING:-

➤ Visual development of graphical user interface which are easy to use and easy to learn.

➤ A programmer need not write code to display the required component.

➤ **For Example:-**

The visual programming environment displays a list of available components. The programmer picks up the required component from this list to display it.

➤ The component can be moved, resized and even deleted, if so required.

➤ There is no restriction on the number of controls that can be placed on a form.

➤ The interface components provided by the visual programming environment have some code built into them.

For example:-

A button' knows' when it has been clicked upon. In the case of conventional programming tools, the programmer has to write code to determine the component that has been clicked and then execute the appropriate code.

➤ Visual Basic is one of the most popular programming tools available today. And it's also secret that there have been massive changes in it as it became Visual Basic.Net.

➤ The reason of that change is Visual Basic itself, which has now become Visual Basic.Net. The difference between Visual Basic.Net and the previous version. Visual Basic 6.0 is revolutionary and far reaching. Visual Basic.Net has been more than four years in the marking and it represents entirely new directions for Visual Basic. Besides the biggest change integrated support for web development the very syntax, of techniques that you've probably learned carefully are now completely different such as data handling and many

controls; project types and other aspects of Visual Basic 6.0 are no longer available at all.

➤ Visual Basic has a long and so far glorious history. When it first appeared, it created a revolution in windows programming. Visual Basic introduced unheard of ease to windows programming just builds the program you want right before your eyes, and then run it. In so doing it changed programming form a chore to something very like fun.

TO BACK END TOOL

Introduction to SQL: -

SQL is a standard computer language for accessing and manipulating databases.

- SQL stands for Structured Query Language.
- SQL allows you to access a database.
- SQL is an ANSI standard computer language.
- SQL can execute queries against a database.
- SQL can retrieve data from a database.
- SQL can insert new records in a database.
- SQL can delete records from a database.
- SQL can update records in a database.
- SQL is easy to learn.

➤ SQL is an ANSI (American National Standards Institute) standard computer language for accessing and manipulating database systems. SQL statements are used to retrieve and update data in a database. SQL works with database

programs like MS Access, DB2, Informix, MS SQL Server, Oracle, Sybase, etc.

➤ Unfortunately, there are many different versions of the SQL language, but to be in compliance with the ANSI standard; they must support the same major keywords in a similar manner (such as SELECT, UPDATE, DELETE, INSERT, WHERE, and others).

➤ SQL Database Tables: -

A database most often contains one or more tables. Each table is identified by a name (e.g. "Customers" or "Orders"). Tables contain records (rows) with data.

Below is an example of a table called "Persons": -

Last Name	First Name	Address	City
Hansen	Ola	Timoteivn 10	Sandnes
Svendson	Tove	Borgvn 23	Sandnes
Pettersen	Kari	Storgt 20	Stavanger

➤ The table above contains three records (one for each person) and four columns (Last Name, First Name, Address, and City).

➤ **SQL Queries: -**

With SQL, we can query a database and have a result set returned.

❖ **A query like this: -**

SELECT Last Name FROM Persons

❖ **Gives a result set like this: -**

Last Name
Hansen
Svendson
Petersen

SQL Data Manipulation Language (DML)

➤ SQL (Structured Query Language) is syntax for executing queries. But the SQL language also includes syntax to update, insert, and delete records.

➤ These query and update commands together form the Data Manipulation Language (DML) part of SQL: -

❖ **SELECT** - extracts data from a database table
❖ **UPDATE** - updates data in a database table
❖ **DELETE** - deletes data from a database table
❖ **INSERT INTO** - inserts new data into a database table

SQL Data Definition Language (DDL)

➤ The Data Definition Language (DDL) part of SQL permits database tables to be created or deleted. We can also define indexes (keys), specify links between tables, and impose constraints between database tables.

➤ **The most important DDL statements in SQL are: -**

- **CREATE TABLE** - creates a new database table
- **ALTER TABLE** - alters (changes) a database table
- **DROP TABLE** - deletes a database table
- **CREATE INDEX** - creates an index (search key)
- **DROP INDEX** - deletes an index MS SQL SERVER 2000

DATA FLOW DIAGRAM

- **DATA FLOW DIAGRAM: -**The data flow diagram is also known as "bubble chart" has the purpose of clarifying system requirements and identifying major transformations that will become programs in system design so it is the starting point of specification down to the lowest level of detail. A DFDs consists of a series if bubbles joined by lines. The bubbles represent data transformation and the lines represent the data flow in the system.

- **DFD SYMBOLS:**

  - ✔ A system defined a source or destination of data.
  - ✔ An arrow identifies data flow, data in motion.
  - ✔ A circle represents the process that transforms incoming data flow to outgoing data flow.
  - ✔ An open rectangular is data store-data at rest or a temporary repository of data.

Bank Management System

<u>SYSTEM DATA FLOW DIAGRAM</u>

| BANKING | → | TRANSACTIONS | → | ACCOUNT HOLDERS |

DATABASE

Bank Management System

E-R DIAGRAM

An ER diagram for a BANK database schema.

ER-modeling is a data modeling technique used in software engineering to produce a conceptual data model of a information system. Diagrams created using this ER-modeling technique are called Entity-Relationship Diagrams, or ER diagrams or ERDs. So you can say that Entity Relationship Diagrams illustrate the logical structure of databases.

Dr. Peter Chen is the originator of the Entity-Relationship Model. His original paper about ER-modeling is one of the most cited papers in the computer software field. Currently the ER model serves as the foundation of many system analysis and design methodologies, computer-aided software engineering (CASE) tools, and repository systems.

The original notation for ER-Diagrams uses rectangles to represent entities, and diamonds to represent relationships.

There are three basic elements in ER-Diagrams:

- Entities are the "things" for which we want to store information. An entity is a person, place, thing or event.
- Attributes are the data we want to collect for an entity.
- Relationships describe the relations between the entities.

ERDs show entities in a database and relationships between tables within that database. It is essential to have ER-Diagrams if you want to create a good database design. The diagrams help focus on how the database actually works.

Entity (Instance)
An instance of a physical object in the real world.
Entity Class

Bank Management System

: Group of objects of the same type.
–

E.g. Entity Class "Student", Entities "John", "Trish" etc
Attributes

Properties of Entities that describe their characteristics.
Types:
Simple
: Attribute that is not divisible, e.g. age.
Composite
: Attribute composed of several simple attributes,
e.g. address (house number, street, district)

Multiple

: Attribute with a set of possible values for the same
entity, e.g. Phone (home, mobile etc.) or email
Key
: Uniquely Ids the Entity e.g. PPSN, Chassis No.
Each simple attribute associated with a VS that may be assigned to that attribute
for each individual entity,
e.g. age = integer

DATA STRUCTURES AND DATABASE SPECIFICATIONS

"ACCOUNT_INFO" Table: -

Field Name	Type	Constraints
Account_No	Int	Primary Key
Branch_No	Varchar(7)	References Branch_Info(Branch_No)
Branch_Name	VARCHAR(50)	Not Null
Account_H_Type	Varchar(15)	Not Null
No_Account_H	Varchar(5)	Not Null
Saluation_F	Varchar(5)	Not Null
Name_P_O_F	Varchar(50)	Not Null
Fa_Name_F	Varchar(50)	Not Null
Gender_F	Varchar(6)	Not Null
DOB_F	DateTime	Not Null
Age_F	Varchar(3)	Check(Age_F>=0 and Age_F<100)
Occupation_F	Varchar(15)	Not Null
Photo_F	Image	Not Null
Sign_F	Image	Not Null

Address_F	Varchar(100)	Not Null
Ph_No_F	Varchar(11)	Not Null
Mob_No_F	Varchar(14)	Not Null
Saluation_S	Varchar(5)	
Name_P_O_S	Varchar(50)	
Fa_Name_S	Varchar(50)	
Gender_S	Varchar(6)	
DOB_S	DateTime	
Age_S	Varchar(3)	Check(Age_S>=0 and Age_S<100)
Occupation_S	Varchar(15)	
Photo_S	Image	
Sign_S	Image	
Address_S	Varchar(100)	
Ph_No_S	Varchar(11)	
Mob_No_S	Varchar(14)	
Saluation_T	Varchar(5)	
Name_P_O_T	Varchar(50)	
Fa_Name_T	Varchar(50)	
Gender_T	Varchar(6)	
DOB_T	DateTime	
Age_T	Varchar(3)	Check(Age_T>=0 and Age_T<100)
Occupation_T	Varchar(15)	
Photo_T	Image	
Sign_T	Image	

Address_T	Varchar(100)	
Ph_No_T	Varchar(11)	
Mob_No_T	Varchar(14)	
Account_Type	Varchar(25)	Not Null
Witness_Name	Varchar(50)	Not Null
Witness_Sign	Image	Not Null
Nominee_Rel	Varchar(10)	Not Null
Nominee_Name	Varchar(50)	Not Null
Nominee_Sign	Image	Not Null
Opening_Bal	Varchar(10)	
T_Date	DateTime	Not Null

"Branch_Info" Table: -

Field Name	Type	Constraints
Branch_No	Varchar(7)	Primary Key
Branch_Name	Varchar(50)	

"Deposit_Info" Table: -

Field Name	Type	Constraints
Account_No	Int	References Account_Info(Account_No)
Branch_No	Varchar(7)	

Depositor_Name	Varchar(150)	
Account_H_Type	Varchar(15)	
Deposit_Amt	Varchar(10)	
Deposit_Date	DateTime	

"Fixed_Info" Table: -

Field Name	Data type	Constraints
Account_No	Int	References Account_Info(Account_No)
Branch_No	Varchar(7)	
Depositor_Name	Varchar(50)	
Account_H_Type	Varchar(15)	
Time_Span	Varchar(5)	References Rate_Of_Interest_Info(Time_Span)
ROI	Varchar(5)	
Start_Date	DateTime	
Mature_Date	Varchar(15)	
Deposit_Amt	Varchar(10)	
Mature_Amt	Varchar(10)	

"Login_Info" Table: -

Field Name	Data type	Description
UserName	Varchar(20)	Primary Key
UserPassWord	Varchar(15)	

Field Name	Data type	Description
Time_Span	Varchar(5)	Primary Key
ROI	Varchar(5)	

"Withdrawl_Info" Table: -

Field Name	Type	Constraints
Account_No	Int	References Account_Info(Account_No)
Branch_No	Varchar(7)	
Withdrawee_Name	Varchar(150)	
Account_H_Type	Varchar(15)	
Withdrawl_Amt	Varchar(10)	
Withdrawl_Date	DateTime	

"Loan_Info" Table: -

Field Name	Type	Constraints
Account_No	Int	References Account_Info(Account_No)
Branch_No	Varchar(7)	
Acc_Holder_Name	Varchar(50)	
Account_Type	Varchar(15)	
Account_Sub_Type	Varchar(15)	
Time_Span	Varchar(5)	References

Bank Management System

		Rate_Of_Interest_Info(Time_Span)
ROI	Varchar(5)	
Issue_Date	DateTime	
Due_Date	Varchar(15)	
Loan_Sanctioned	Varchar(10)	
No_Installments	Varchar(5)	
EMI	Varchar(10)	
Total_Loan_Ret	Varchar(10)	

DESIGN

- SPLASH FORM

- LOGIN FORM

Bank Management System

MDI FORM

ACCOUNT OPENING FORM

Bank Management System

- DEPOSIT FORM

WITHDRAWL FORM

Bank Management System

- LOAN FORM

Bank Management System

CODING

- ### SPLASH FORM

```
Public Class SPLASH
Private Sub Timer1_Tick(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Timer1.Tick
    If ProgressBar1.Value = ProgressBar1.Maximum Then
        LOGIN.Show()
        Me.Hide()
        Timer1.Stop()
    Else
        ProgressBar1.Value = ProgressBar1.Value + 10
    End If
End Sub
Private Sub FlashLabel()
    Label1.ForeColor = Color.RoyalBlue
    Timer3.Start()
End Sub
Private Sub Timer2_Tick(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Timer2.Tick
    Call FlashLabel()
End Sub
Private Sub Timer3_Tick(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Timer3.Tick
    Label1.ForeColor = SystemColors.Control
    Timer3.Stop()
End Sub
End Class
```

Bank Management System

- **<u>LOGIN FORM CODING</u>**

Imports System.Data.SqlClient

```
Public Class LOGIN
    Private Sub LOGIN_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        Button1.Enabled = False
    End Sub
    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
        Dim A As Integer
        A = MsgBox("Do you want to exit", MsgBoxStyle.OkCancel, "Exit")
        If A = vbOK Then
            Application.Exit()
        End If
        If A = vbCancel Then
            Exit Sub
        End If
    End Sub
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
        Dim CON As New SqlConnection
        Dim CMD As New SqlCommand
        Dim DR As SqlDataReader

        CON.ConnectionString = "Server =ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"

        CON.Open()
```

```
    CMD.Connection = CON
    CMD.CommandText = "Select * From Login_Info"


    DR = CMD.ExecuteReader


    While DR.Read
       If DR.HasRows Then
          If TextBox1.Text = DR(0) And TextBox2.Text = DR(1) Then
             Me.Hide()
             Dim A As Integer
             A = MsgBox("Login Successfully", MsgBoxStyle.OkOnly)
             If A = vbOK Then
                MAIN.Show()
             End If
             Return
          End If
       End If
    End While


  MsgBox("Invalid User Name or Password", MsgBoxStyle.Exclamation)


    TextBox1.Text = ""
    TextBox2.Text = ""
    Button1.Enabled = False
    TextBox1.Select()
    CMD.Dispose()
    CON.Close()
  End Sub
  Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button3.Click
    Me.Hide()
```

```vb
  CHANGE_PASSWORD_FORM.Show()
  End Sub


  Private Sub TextBox1_TextChanged(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles TextBox1.TextChanged
    If TextBox1.Text = "" Then
      Button1.Enabled = False
    ElseIf TextBox2.Text = "" Then
      Button1.Enabled = False
    Else
      Button1.Enabled = True
    End If
  End Sub


  Private Sub TextBox2_TextChanged(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles TextBox2.TextChanged
    If TextBox1.Text = "" Then
      Button1.Enabled = False
    ElseIf TextBox2.Text = "" Then
      Button1.Enabled = False
    Else
      Button1.Enabled = True
    End If
  End Sub
End Class
```

- ## MDI FORM CODING

```
Imports System.Windows.Forms

Public Class MAIN
    Private Sub ExitToolStripMenuItem1_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles ExitToolStripMenuItem1.Click
        Dim A As Integer
        A = MsgBox("Do You Want To Close", vbOKCancel)
        If A = vbOK Then
            Application.Exit()
        Else
            Return
        End If
    End Sub

    Private Sub DepositToolStripMenuItem1_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles DepositToolStripMenuItem1.Click
        NOMINAL_ACCOUNTS.MdiParent = Me
        NOMINAL_ACCOUNTS.Show()
    End Sub
    Private Sub DepositToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles DepositToolStripMenuItem.Click
        DEPOSIT_FORM.MdiParent = Me
        DEPOSIT_FORM.Show()
    End Sub
    Private Sub WithdrawlToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
WithdrawlToolStripMenuItem.Click
```

```vb
        WITHDRAWL.MdiParent = Me
        WITHDRAWL.Show()
    End Sub
    Private Sub HelpMenu_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles HelpMenu.Click
        ABOUT_US_FORM.MdiParent = Me
        ABOUT_US_FORM.Show()
    End Sub
    Private Sub FixedDepositToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
FixedDepositToolStripMenuItem.Click
        FIXED_DEPOSIT.MdiParent = Me
        FIXED_DEPOSIT.Show()
    End Sub
    Private Sub AccountsToolStripMenuItem1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
AccountsToolStripMenuItem1.Click
        ACCOUNTS_REPORT_FORM.MdiParent = Me
        ACCOUNTS_REPORT_FORM.Show()
    End Sub
    Private Sub SavingsToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles SavingsToolStripMenuItem.Click
        DEPOSIT_REPORT.MdiParent = Me
        DEPOSIT_REPORT.Show()
    End Sub
    Private Sub CurrentToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles CurrentToolStripMenuItem.Click
        FIXED_REPORT.MdiParent = Me
        FIXED_REPORT.Show()
    End Sub
    Private Sub RecurringToolStripMenuItem_Click(ByVal sender As System.Object,
```

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ByVal e As System.EventArgs) Handles RecurringToolStripMenuItem.Click
    RECURRING_REPORT.MdiParent = Me
    RECURRING_REPORT.Show()
  End Sub
  Private Sub WithdrawlToolStripMenuItem1_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
WithdrawlToolStripMenuItem1.Click
    WITHDRAWL_REPORT.MdiParent = Me
    WITHDRAWL_REPORT.Show()
  End Sub
  Private Sub LoanToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles LoanToolStripMenuItem.Click
    LOAN.MdiParent = Me
    LOAN.Show()
  End Sub
  Private Sub RecurringDepositToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
RecurringDepositToolStripMenuItem.Click
    RECURRING_DEPOSIT.MdiParent = Me
    RECURRING_DEPOSIT.Show()
  End Sub
End Class

ACCOUNT OPENING FORM

Imports System.Data.SqlClient
Imports System.IO

Public Class NOMINAL_ACCOUNTS

```vbnet
    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
        Me.Close()
    End Sub


    Private Sub NOMINAL_ACCOUNTS_Load(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles MyBase.Load


        '       Button1.Enabled = False


        TextBox1.ReadOnly = True
        TextBox1.Enabled = False
        TextBox2.ReadOnly = True
        TextBox2.Enabled = False


        Dim CON As New SqlConnection
        Dim CMD As New SqlCommand
        Dim DR As SqlDataReader


        CON.ConnectionString = "Server =ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"


        CON.Open()
        CMD.Connection = CON
        CMD.CommandText = "Select * From Account_Info"
        DR = CMD.ExecuteReader


        While DR.Read
            TextBox1.Text = DR(0)
        End While
```

```
    DR.Close()

    CMD.Dispose()
    CON.Close()

    TextBox1.Text = Val(TextBox1.Text) + 1

    TextBox9.ReadOnly = True
    TextBox9.Enabled = False
    TextBox10.ReadOnly = True
    TextBox10.Enabled = False
    TextBox11.ReadOnly = True
    TextBox11.Enabled = False
    TextBox23.ReadOnly = True
    TextBox23.Enabled = False

    CON.Open()
    CMD.Connection = CON
    CMD.CommandText = "Select * From Branch_Info"
    DR = CMD.ExecuteReader

    While DR.Read
        ComboBox1.Items.Add(DR(0))
    End While

    DR.Close()
    CMD.Dispose()
    CON.Close()

End Sub
```

```vb
Dim STRImage As String

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click

    IF TextBox1.Text = "" Or TextBox2.Text = "" Or TextBox3.Text = "" Or
TextBox4.Text = "" Or TextBox5.Text = "" Or TextBox6.Text = "" Or TextBox7.Text
= "" Or TextBox8.Text = "" Or TextBox9.Text = "" Or TextBox10.Text = "" Or
TextBox11.Text = "" Or TextBox12.Text = "" Or TextBox13.Text = "" Or
TextBox14.Text = "" Or TextBox15.Text = "" Or TextBox16.Text = "" Or
TextBox17.Text = "" Or TextBox18.Text = "" Or TextBox19.Text = "" Or
TextBox20.Text = "" Or TextBox21.Text = "" Or TextBox22.Text = "" Or
TextBox23.Text = "" Or ComboBox1.Text = "" Or ComboBox2.Text = "" Or
ComboBox3.Text = "" Or ComboBox4.Text = "" Or ComboBox5.Text = "" Or
ComboBox6.Text = "" Or ComboBox7.Text = "" Or ComboBox8.Text = "" Or
ComboBox9.Text = "" Or ComboBox10.Text = "" Or ComboBox11.Text = "" Or
ComboBox12.Text = "" Or RadioButton1.Checked = False Or
RadioButton2.Checked = False Or RadioButton3.Checked = False Or
RadioButton4.Checked = False Or RadioButton5.Checked = False Or
RadioButton6.Checked = False Or DateTimePicker1.Text = "" Or
DateTimePicker2.Text = "" Or DateTimePicker3.Text = "" Or
DateTimePicker4.Text = "" Then

        MessageBox.Show("Plz fill the form")

        Exit Sub

    End If

    Dim CON As New SqlConnection
```

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```vbnet
    Dim CMD As New SqlCommand

    CON.ConnectionString = "Server =ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"

    CON.Open()
    CMD.Connection = CON
    CMD.CommandType = CommandType.StoredProcedure
    CMD.CommandText = "InsertAccount_Info"

    'Try

    CMD.Parameters.Add("@Account_No", SqlDbType.Int).Value =
TextBox1.Text
    CMD.Parameters.Add("@Branch_No", SqlDbType.VarChar).Value =
ComboBox1.Text
    CMD.Parameters.Add("@Branch_Name", SqlDbType.VarChar).Value =
TextBox2.Text
    If RadioButton1.Checked = True Then
        CMD.Parameters.Add("@Account_H_Type", SqlDbType.VarChar).Value =
RadioButton1.Text
    ElseIf RadioButton2.Checked = True Then
        CMD.Parameters.Add("@Account_H_Type", SqlDbType.VarChar).Value =
RadioButton2.Text
    ElseIf RadioButton3.Checked = True Then
        CMD.Parameters.Add("@Account_H_Type", SqlDbType.VarChar).Value =
RadioButton3.Text
    End If
    If RadioButton4.Checked = True Then
        CMD.Parameters.Add("@No_Account_H", SqlDbType.VarChar).Value =
```

RadioButton4.Text

```
    ElseIf RadioButton5.Checked = True Then
        CMD.Parameters.Add("@No_Account_H", SqlDbType.VarChar).Value =
RadioButton5.Text
    ElseIf RadioButton6.Checked = True Then
        CMD.Parameters.Add("@No_Account_H", SqlDbType.VarChar).Value =
RadioButton6.Text
    End If
    CMD.Parameters.Add("@Saluation_F", SqlDbType.VarChar).Value =
ComboBox2.Text
    CMD.Parameters.Add("@Name_P_O_F", SqlDbType.VarChar).Value =
TextBox3.Text
    CMD.Parameters.Add("@Fa_Name_F", SqlDbType.VarChar).Value =
TextBox6.Text
    CMD.Parameters.Add("@Gender_F", SqlDbType.VarChar).Value =
ComboBox5.Text
    CMD.Parameters.Add("@DOB_F", SqlDbType.DateTime).Value =
DateTimePicker1.Text
    CMD.Parameters.Add("@Age_F", SqlDbType.VarChar).Value = TextBox9.Text
    CMD.Parameters.Add("@Occupation_F", SqlDbType.VarChar).Value =
ComboBox8.Text

    'Catch ex As Exception
    'MessageBox.Show(ex.Message)
    'End Try


    'Try
    Dim FS As New FileStream(STRImage, FileMode.Open, FileAccess.Read)
    Dim BYTEARRAY(FS.Length) As Byte
    FS.Read(BYTEARRAY, 0, FS.Length)
```

```vbnet
        FS.Close()
        CMD.Parameters.AddWithValue("@Photo_F", BYTEARRAY)



        'Catch ex As Exception
        'MessageBox.Show(ex.Message)
        'End Try

        'Try
        Dim FS1 As New FileStream(STRImage, FileMode.Open, FileAccess.Read)
        Dim BYTEARRAY1(FS1.Length) As Byte
        FS1.Read(BYTEARRAY1, 0, FS1.Length)
        FS1.Close()
        CMD.Parameters.AddWithValue("@Sign_F", BYTEARRAY1)

        'Catch ex As Exception
        'MessageBox.Show(ex.Message)
        'End Try

        'Try
        CMD.Parameters.Add("@Address_F", SqlDbType.VarChar).Value =
TextBox12.Text
        CMD.Parameters.Add("@Ph_No_F", SqlDbType.VarChar).Value =
TextBox15.Text
        CMD.Parameters.Add("@Mob_No_F", SqlDbType.VarChar).Value =
TextBox18.Text

        CMD.Parameters.Add("@Saluation_S", SqlDbType.VarChar).Value =
ComboBox3.Text
        CMD.Parameters.Add("@Name_P_O_S", SqlDbType.VarChar).Value =
```

```
TextBox4.Text
        CMD.Parameters.Add("@Fa_Name_S", SqlDbType.VarChar).Value =
TextBox7.Text
        CMD.Parameters.Add("@Gender_S", SqlDbType.VarChar).Value =
ComboBox6.Text
        CMD.Parameters.Add("@DOB_S", SqlDbType.DateTime).Value =
DateTimePicker2.Text
        CMD.Parameters.Add("@Age_S", SqlDbType.VarChar).Value =
TextBox10.Text
        CMD.Parameters.Add("@Occupation_S", SqlDbType.VarChar).Value =
ComboBox9.Text


        'Catch ex As Exception
        'MessageBox.Show(ex.Message)
        'End Try



        'Try
        Dim FS2 As New FileStream(STRImage, FileMode.Open, FileAccess.Read)
        Dim BYTEARRAY2(FS2.Length) As Byte
        FS2.Read(BYTEARRAY2, 0, FS2.Length)
        FS2.Close()
        CMD.Parameters.AddWithValue("@Photo_S", BYTEARRAY2)

        'Catch ex As Exception
        'MessageBox.Show(ex.Message)
        'End Try

        'Try
        Dim FS3 As New FileStream(STRImage, FileMode.Open, FileAccess.Read)
        Dim BYTEARRAY3(FS3.Length) As Byte
```

```
    FS3.Read(BYTEARRAY3, 0, FS3.Length)
    FS3.Close()
    CMD.Parameters.AddWithValue("@Sign_S", BYTEARRAY3)

    'Catch ex As Exception
    'MessageBox.Show(ex.Message)
    'End Try

    'Try
    CMD.Parameters.Add("@Address_S", SqlDbType.VarChar).Value =
TextBox13.Text
    CMD.Parameters.Add("@Ph_No_S", SqlDbType.VarChar).Value =
TextBox16.Text
    CMD.Parameters.Add("@Mob_No_S", SqlDbType.VarChar).Value =
TextBox19.Text

    CMD.Parameters.Add("@Saluation_T", SqlDbType.VarChar).Value =
ComboBox4.Text
    CMD.Parameters.Add("@Name_P_O_T", SqlDbType.VarChar).Value =
TextBox5.Text
    CMD.Parameters.Add("@Fa_Name_T", SqlDbType.VarChar).Value =
TextBox8.Text
    CMD.Parameters.Add("@Gender_T", SqlDbType.VarChar).Value =
ComboBox7.Text
    CMD.Parameters.Add("@DOB_T", SqlDbType.DateTime).Value =
DateTimePicker3.Text
    CMD.Parameters.Add("@Age_T", SqlDbType.VarChar).Value =
TextBox11.Text
    CMD.Parameters.Add("@Occupation_T", SqlDbType.VarChar).Value =
ComboBox10.Text
```

```
'Catch ex As Exception
'MessageBox.Show(ex.Message)
'End Try


'Try
Dim FS4 As New FileStream(STRImage, FileMode.Open, FileAccess.Read)
Dim BYTEARRAY4(FS4.Length) As Byte
FS4.Read(BYTEARRAY4, 0, FS4.Length)
FS4.Close()
CMD.Parameters.AddWithValue("@Photo_T", BYTEARRAY4)


'Catch ex As Exception
'MessageBox.Show(ex.Message)
'End Try


'Try
Dim FS5 As New FileStream(STRImage, FileMode.Open, FileAccess.Read)
Dim BYTEARRAY5(FS5.Length) As Byte
FS5.Read(BYTEARRAY5, 0, FS5.Length)
FS5.Close()
CMD.Parameters.AddWithValue("@Sign_T", BYTEARRAY5)


'Catch ex As Exception
'MessageBox.Show(ex.Message)
'End Try



'Try
CMD.Parameters.Add("@Address_T", SqlDbType.VarChar).Value =
TextBox14.Text
CMD.Parameters.Add("@Ph_No_T", SqlDbType.VarChar).Value =
```

```
TextBox17.Text
    CMD.Parameters.Add("@Mob_No_T", SqlDbType.VarChar).Value =
TextBox20.Text
    CMD.Parameters.Add("@Account_Type", SqlDbType.VarChar).Value =
ComboBox11.Text
    CMD.Parameters.Add("@Witness_Name", SqlDbType.VarChar).Value =
TextBox21.Text

    'Catch ex As Exception
    'MessageBox.Show(ex.Message)
    'End Try

    'Try
    Dim FS6 As New FileStream(STRImage, FileMode.Open, FileAccess.Read)
    Dim BYTEARRAY6(FS6.Length) As Byte
    FS6.Read(BYTEARRAY6, 0, FS6.Length)
    FS6.Close()
    CMD.Parameters.AddWithValue("@Witness_Sign", BYTEARRAY6)

    'Catch ex As Exception
    'MessageBox.Show(ex.Message)
    'End Try

    'Try

    CMD.Parameters.Add("@Nominee_Rel", SqlDbType.VarChar).Value =
ComboBox12.Text
    CMD.Parameters.Add("@Nominee_Name", SqlDbType.VarChar).Value =
TextBox22.Text

    'Catch ex As Exception
```

```vb
'MessageBox.Show(ex.Message)
'End Try


'Try
Dim FS7 As New FileStream(STRImage, FileMode.Open, FileAccess.Read)
Dim BYTEARRAY7(FS7.Length) As Byte
FS7.Read(BYTEARRAY7, 0, FS7.Length)
FS7.Close()
CMD.Parameters.AddWithValue("@Nominee_Sign", BYTEARRAY7)

'Catch ex As Exception
'MessageBox.Show(ex.Message)
'End Try

'Try
CMD.Parameters.Add("@Opening_Bal", SqlDbType.VarChar).Value =
TextBox23.Text
CMD.Parameters.Add("@T_Date", SqlDbType.DateTime).Value =
DateTimePicker4.Text

'Catch ex As Exception
'MessageBox.Show(ex.Message)
'End Try

CMD.ExecuteNonQuery()
CMD.Dispose()
CON.Close()

Dim A1 As Integer
```

```
A1 = MsgBox("Record Saved", MsgBoxStyle.OkOnly)

If A1 = vbOK Then

    TextBox1.Text = ""
    TextBox2.Text = ""
    TextBox3.Text = ""
    TextBox4.Text = ""
    TextBox5.Text = ""
    TextBox6.Text = ""
    TextBox7.Text = ""
    TextBox8.Text = ""
    TextBox9.Text = ""
    TextBox10.Text = ""
    TextBox11.Text = ""
    TextBox12.Text = ""
    TextBox13.Text = ""
    TextBox14.Text = ""
    TextBox15.Text = ""
    TextBox16.Text = ""
    TextBox17.Text = ""
    TextBox18.Text = ""
    TextBox19.Text = ""
    TextBox20.Text = ""
    TextBox21.Text = ""
    TextBox22.Text = ""
    TextBox23.Text = ""

    ComboBox1.Text = ""
    ComboBox2.Text = ""
    ComboBox3.Text = ""
```

```vbnet
        ComboBox4.Text = ""
        ComboBox5.Text = ""
        ComboBox6.Text = ""
        ComboBox7.Text = ""
        ComboBox8.Text = ""
        ComboBox9.Text = ""
        ComboBox10.Text = ""
        ComboBox11.Text = ""
        ComboBox12.Text = ""

        RadioButton1.Checked = False
        RadioButton2.Checked = False
        RadioButton3.Checked = False
        RadioButton4.Checked = False
        RadioButton5.Checked = False
        RadioButton6.Checked = False

        DateTimePicker1.Text = ""
        DateTimePicker2.Text = ""
        DateTimePicker3.Text = ""
        DateTimePicker4.Text = ""

    End If

  End Sub

  Private Sub ComboBox1_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
ComboBox1.SelectedIndexChanged

    Dim CON As New SqlConnection
```

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```vb
    Dim CMD As New SqlCommand
    Dim DR As SqlDataReader

    CON.ConnectionString = "Server =ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"

    CON.Open()
    CMD.Connection = CON
    CMD.CommandText = "Select * From Branch_Info"
    DR = CMD.ExecuteReader

    While DR.Read
        If ComboBox1.SelectedItem = DR(0) Then
            TextBox2.Text = DR(1)
        End If
    End While

    DR.Close()
    CMD.Dispose()
    CON.Close()

End Sub

Private Sub RadioButton2_CheckedChanged(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles RadioButton2.CheckedChanged

    GroupBox2.Enabled = True
    RadioButton4.Enabled = False
    RadioButton5.Enabled = True
    RadioButton6.Enabled = True
```

ComboBox2.Enabled = True

ComboBox3.Enabled = True

ComboBox4.Enabled = True

TextBox3.Enabled = True

TextBox4.Enabled = True

TextBox5.Enabled = True

TextBox6.Enabled = True

TextBox7.Enabled = True

TextBox8.Enabled = True

ComboBox5.Enabled = True

ComboBox6.Enabled = True

ComboBox7.Enabled = True

DateTimePicker1.Enabled = True

DateTimePicker2.Enabled = True

DateTimePicker3.Enabled = True

TextBox9.Enabled = True

TextBox10.Enabled = True

TextBox11.Enabled = True

ComboBox8.Enabled = True

ComboBox9.Enabled = True

ComboBox10.Enabled = True

LinkLabel1.Enabled = True

LinkLabel2.Enabled = True

LinkLabel3.Enabled = True

PictureBox1.Enabled = True

PictureBox2.Enabled = True

PictureBox3.Enabled = True

LinkLabel4.Enabled = True

LinkLabel5.Enabled = True

LinkLabel6.Enabled = True

PictureBox4.Enabled = True

```
PictureBox5.Enabled = True
PictureBox6.Enabled = True
TextBox12.Enabled = True
TextBox13.Enabled = True
TextBox14.Enabled = True
TextBox15.Enabled = True
TextBox16.Enabled = True
TextBox17.Enabled = True
TextBox18.Enabled = True
TextBox19.Enabled = True
TextBox20.Enabled = True

If RadioButton2.Checked = True Then

    RadioButton4.Enabled = False
    RadioButton5.Enabled = True
    RadioButton6.Enabled = True

    If RadioButton5.Checked = True Then

        ComboBox2.Enabled = True
        ComboBox3.Enabled = True
        TextBox3.Enabled = True
        TextBox4.Enabled = True
        TextBox6.Enabled = True
        TextBox7.Enabled = True
        ComboBox5.Enabled = True
        ComboBox6.Enabled = True
        DateTimePicker1.Enabled = True
        DateTimePicker2.Enabled = True
        TextBox9.Enabled = True
```

```
            TextBox10.Enabled = True
            ComboBox8.Enabled = True
            ComboBox9.Enabled = True
            LinkLabel1.Enabled = True
            LinkLabel2.Enabled = True
            PictureBox1.Enabled = True
            PictureBox2.Enabled = True
            LinkLabel4.Enabled = True
            LinkLabel5.Enabled = True
            PictureBox4.Enabled = True
            PictureBox5.Enabled = True
            TextBox12.Enabled = True
            TextBox13.Enabled = True
            TextBox15.Enabled = True
            TextBox16.Enabled = True
            TextBox18.Enabled = True
            TextBox19.Enabled = True


        End If


    End If


    End Sub


    Private Sub RadioButton5_CheckedChanged(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles RadioButton5.CheckedChanged


        If RadioButton5.Checked = True Then


            ComboBox4.Enabled = False
            TextBox5.Enabled = False
```

```vbnet
            TextBox8.Enabled = False
            ComboBox7.Enabled = False
            DateTimePicker3.Enabled = False
            TextBox11.Enabled = False
            ComboBox10.Enabled = False
            LinkLabel3.Enabled = False
            PictureBox3.Enabled = False
            LinkLabel6.Enabled = False
            PictureBox6.Enabled = False
            TextBox14.Enabled = False
            TextBox17.Enabled = False
            TextBox20.Enabled = False


        End If


    End Sub


    Private Sub RadioButton1_CheckedChanged_1(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles RadioButton1.CheckedChanged


        If RadioButton1.Checked = True Then


            RadioButton4.Checked = True
            GroupBox2.Enabled = False
            ComboBox3.Enabled = False
            TextBox4.Enabled = False
            ComboBox4.Enabled = False
            TextBox5.Enabled = False
            TextBox7.Enabled = False
            TextBox8.Enabled = False
            ComboBox6.Enabled = False
```

```
        ComboBox7.Enabled = False
        DateTimePicker2.Enabled = False
        DateTimePicker3.Enabled = False
        TextBox10.Enabled = False
        TextBox11.Enabled = False
        ComboBox9.Enabled = False
        ComboBox10.Enabled = False
        LinkLabel2.Enabled = False
        PictureBox1.Enabled = False
        LinkLabel3.Enabled = False
        PictureBox2.Enabled = False
        LinkLabel5.Enabled = False
        PictureBox4.Enabled = False
        LinkLabel6.Enabled = False
        PictureBox5.Enabled = False
        TextBox13.Enabled = False
        TextBox14.Enabled = False
        TextBox16.Enabled = False
        TextBox17.Enabled = False
        TextBox19.Enabled = False
        TextBox20.Enabled = False


    End If


  End Sub


  Private Sub RadioButton6_CheckedChanged(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles RadioButton6.CheckedChanged


    If RadioButton6.Checked = True Then
```

RadioButton4.Enabled = False

RadioButton5.Enabled = True

RadioButton6.Enabled = True

ComboBox2.Enabled = True

ComboBox3.Enabled = True

ComboBox4.Enabled = True

TextBox3.Enabled = True

TextBox4.Enabled = True

TextBox5.Enabled = True

TextBox6.Enabled = True

TextBox7.Enabled = True

TextBox8.Enabled = True

ComboBox5.Enabled = True

ComboBox6.Enabled = True

ComboBox7.Enabled = True

DateTimePicker1.Enabled = True

DateTimePicker2.Enabled = True

DateTimePicker3.Enabled = True

TextBox9.Enabled = True

TextBox10.Enabled = True

TextBox11.Enabled = True

ComboBox8.Enabled = True

ComboBox9.Enabled = True

ComboBox10.Enabled = True

LinkLabel1.Enabled = True

LinkLabel2.Enabled = True

LinkLabel3.Enabled = True

PictureBox1.Enabled = True

PictureBox2.Enabled = True

PictureBox3.Enabled = True

```
            LinkLabel4.Enabled = True
            LinkLabel5.Enabled = True
            LinkLabel6.Enabled = True
            PictureBox4.Enabled = True
            PictureBox5.Enabled = True
            PictureBox6.Enabled = True
            TextBox12.Enabled = True
            TextBox13.Enabled = True
            TextBox14.Enabled = True
            TextBox15.Enabled = True
            TextBox16.Enabled = True
            TextBox17.Enabled = True
            TextBox18.Enabled = True
            TextBox19.Enabled = True
            TextBox20.Enabled = True


        End If


    End Sub


    Private Sub RadioButton3_CheckedChanged(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles RadioButton3.CheckedChanged


        If RadioButton3.Checked = True Then


            RadioButton4.Checked = True
            GroupBox2.Enabled = False
            ComboBox3.Enabled = False
            TextBox4.Enabled = False
            ComboBox4.Enabled = False
```

```
            TextBox5.Enabled = False

            TextBox7.Enabled = False

            TextBox8.Enabled = False

            ComboBox6.Enabled = False

            ComboBox7.Enabled = False

            DateTimePicker2.Enabled = False

            DateTimePicker3.Enabled = False

            TextBox10.Enabled = False

            TextBox11.Enabled = False

            ComboBox9.Enabled = False

            ComboBox10.Enabled = False

            LinkLabel2.Enabled = False

            PictureBox1.Enabled = False

            LinkLabel3.Enabled = False

            PictureBox2.Enabled = False

            LinkLabel5.Enabled = False

            PictureBox4.Enabled = False

            LinkLabel6.Enabled = False

            PictureBox5.Enabled = False

            TextBox13.Enabled = False

            TextBox14.Enabled = False

            TextBox16.Enabled = False

            TextBox17.Enabled = False

            TextBox19.Enabled = False

            TextBox20.Enabled = False


        End If


    End Sub


    Private Sub DateTimePicker1_ValueChanged(ByVal sender As System.Object,
```

ByVal e As System.EventArgs) Handles DateTimePicker1.ValueChanged


```vb
    Dim Date1 As Date
    Dim A As Integer

    Date1 = Convert.ToDateTime(DateTimePicker1.Value)

    A = DateDiff(DateInterval.Year, Date1, DateTime.Now)

    TextBox9.Text = A

End Sub
'Dim count, count1, count2, count3, count4, count5, count6, count7 As Integer

Dim count As Integer = 0
Dim count1 As Integer = 0
Dim count2 As Integer = 0
Dim count3 As Integer = 0
Dim count4 As Integer = 0
Dim count5 As Integer = 0
Dim count6 As Integer = 0
Dim count7 As Integer = 0


    Private Sub LinkLabel1_LinkClicked(ByVal sender As System.Object, ByVal e
As System.Windows.Forms.LinkLabelLinkClickedEventArgs) Handles
LinkLabel1.LinkClicked


    OpenFileDialog1.Filter = " Image files(*.jpg,*.bmp,*.gif)|*.jpg; *.gif*; *.bmp | all
files | * . * "
```

```vb
    If OpenFileDialog1.ShowDialog() = Windows.Forms.DialogResult.OK Then

        PictureBox1.Image = Image.FromFile(OpenFileDialog1.FileName)
        STRImage = OpenFileDialog1.FileName

    End If

    count = count + 1

End Sub

Private Sub LinkLabel2_LinkClicked(ByVal sender As System.Object, ByVal e
As System.Windows.Forms.LinkLabelLinkClickedEventArgs) Handles
LinkLabel2.LinkClicked

    OpenFileDialog1.Filter = " Image files(*.jpg,*.bmp,*.gif)|*.jpg; *.gif*; *.bmp | all
files | * . * "

    If OpenFileDialog1.ShowDialog() = Windows.Forms.DialogResult.OK Then

        PictureBox2.Image = Image.FromFile(OpenFileDialog1.FileName)
        STRImage = OpenFileDialog1.FileName

    End If

    count1 = count1 + 1

End Sub

Private Sub LinkLabel3_LinkClicked(ByVal sender As System.Object, ByVal e
```

As System.Windows.Forms.LinkLabelLinkClickedEventArgs) Handles LinkLabel3.LinkClicked

```
    OpenFileDialog1.Filter = " Image files(*.jpg,*.bmp,*.gif)|*.jpg; *.gif*; *.bmp | all files | * . * "

    If OpenFileDialog1.ShowDialog() = Windows.Forms.DialogResult.OK Then

        PictureBox3.Image = Image.FromFile(OpenFileDialog1.FileName)
        STRImage = OpenFileDialog1.FileName

    End If

    count2 = count2 + 1

  End Sub

  Private Sub LinkLabel4_LinkClicked(ByVal sender As System.Object, ByVal e As System.Windows.Forms.LinkLabelLinkClickedEventArgs) Handles LinkLabel4.LinkClicked

    OpenFileDialog1.Filter = " Image files(*.jpg,*.bmp,*.gif)|*.jpg; *.gif*; *.bmp | all files | * . * "

    If OpenFileDialog1.ShowDialog() = Windows.Forms.DialogResult.OK Then

        PictureBox4.Image = Image.FromFile(OpenFileDialog1.FileName)
        STRImage = OpenFileDialog1.FileName

    End If
```

```
        count3 = count3 + 1

    End Sub

    Private Sub LinkLabel5_LinkClicked(ByVal sender As System.Object, ByVal e
As System.Windows.Forms.LinkLabelLinkClickedEventArgs) Handles
LinkLabel5.LinkClicked

        OpenFileDialog1.Filter = " Image files(*.jpg,*.bmp,*.gif)|*.jpg; *.gif*; *.bmp | all
files | * . * "

        If OpenFileDialog1.ShowDialog() = Windows.Forms.DialogResult.OK Then

            PictureBox5.Image = Image.FromFile(OpenFileDialog1.FileName)
            STRImage = OpenFileDialog1.FileName

        End If

        count4 = count4 + 1

    End Sub

    Private Sub LinkLabel6_LinkClicked(ByVal sender As System.Object, ByVal e
As System.Windows.Forms.LinkLabelLinkClickedEventArgs) Handles
LinkLabel6.LinkClicked

        OpenFileDialog1.Filter = " Image files(*.jpg,*.bmp,*.gif)|*.jpg; *.gif*; *.bmp | all
files | * . * "

        If OpenFileDialog1.ShowDialog() = Windows.Forms.DialogResult.OK Then
```

```vb
        PictureBox6.Image = Image.FromFile(OpenFileDialog1.FileName)
        STRImage = OpenFileDialog1.FileName

    End If

    count5 = count5 + 1

End Sub

Private Sub LinkLabel7_LinkClicked(ByVal sender As System.Object, ByVal e
As System.Windows.Forms.LinkLabelLinkClickedEventArgs) Handles
LinkLabel7.LinkClicked

    OpenFileDialog1.Filter = " Image files(*.jpg,*.bmp,*.gif)|*.jpg; *.gif*; *.bmp | all
files | * . * "

    If OpenFileDialog1.ShowDialog() = Windows.Forms.DialogResult.OK Then

        PictureBox7.Image = Image.FromFile(OpenFileDialog1.FileName)
        STRImage = OpenFileDialog1.FileName

    End If

    count6 = count6 + 1


End Sub

Private Sub LinkLabel8_LinkClicked(ByVal sender As System.Object, ByVal e
As System.Windows.Forms.LinkLabelLinkClickedEventArgs) Handles
```

Bank Management System

LinkLabel8.LinkClicked

```vb
    OpenFileDialog1.Filter = " Image files(*.jpg,*.bmp,*.gif)|*.jpg; *.gif*; *.bmp | all
files | * . * "

    If OpenFileDialog1.ShowDialog() = Windows.Forms.DialogResult.OK Then

        PictureBox8.Image = Image.FromFile(OpenFileDialog1.FileName)
        STRImage = OpenFileDialog1.FileName

    End If

    count7 = count7 + 1

  End Sub

  Private Sub DateTimePicker2_ValueChanged(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles DateTimePicker2.ValueChanged

    Dim Date1 As Date
    Dim A As Integer

    Date1 = Convert.ToDateTime(DateTimePicker2.Value)

    A = DateDiff(DateInterval.Year, Date1, DateTime.Now)

    TextBox10.Text = A

  End Sub

  Private Sub DateTimePicker3_ValueChanged(ByVal sender As System.Object,
```

Bank Management System

ByVal e As System.EventArgs) Handles DateTimePicker3.ValueChanged

```vb
    Dim Date1 As Date
    Dim A As Integer

    Date1 = Convert.ToDateTime(DateTimePicker3.Value)

    A = DateDiff(DateInterval.Year, Date1, DateTime.Now)

    TextBox11.Text = A

  End Sub

  Private Sub ComboBox11_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
ComboBox11.SelectedIndexChanged

    If ComboBox11.SelectedItem = "Savings" Or ComboBox11.SelectedItem =
"Current" Then

      TextBox23.Text = "15000"

    Else

      TextBox23.Text = "0"
    End If


  End Sub
End Class
```
DEPOSIT FORM CODING

Bank Management System

Imports System.Data.SqlClient

Public Class DEPOSIT

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

        If TextBox1.Text = "" Or TextBox2.Text = "" Or TextBox3.Text = "" Or TextBox4.Text = "" Or TextBox5.Text = "" Or TextBox6.Text = "" Or ComboBox1.Text = "" Then
            MsgBox("Please Enter The Required Information",MsgBoxStyle.OkOnly)
            Return
        End If

        Dim CON As New SqlConnection
        Dim CMD As New SqlCommand

        CON.ConnectionString = "Server=ANGELDEVIL;Initial Catalog=BankingSystem;Integrated Security=True"

        CON.Open()
        CMD.Connection = CON
        CMD.CommandType = CommandType.StoredProcedure
        CMD.CommandText = "InsertDeposit_Info"

        CMD.Parameters.Add("@Account_No", SqlDbType.Int).Value = ComboBox1.Text
        CMD.Parameters.Add("@Branch_No", SqlDbType.VarChar).Value = TextBox1.Text
        CMD.Parameters.Add("@Depositor_Name", SqlDbType.VarChar).Value =

```vbnet
TextBox2.Text
    CMD.Parameters.Add("@Account_H_Type", SqlDbType.VarChar).Value =
TextBox3.Text
    CMD.Parameters.Add("@Deposit_Amt", SqlDbType.VarChar).Value =
TextBox5.Text
    CMD.Parameters.Add("@Deposit_Date", SqlDbType.DateTime).Value =
DateTimePicker1.Text


    CMD.ExecuteNonQuery()
    CMD.Dispose()
    CON.Close()


    MsgBox("Amount Deposited", MsgBoxStyle.OkOnly)


    Button2.Enabled = True

 End Sub


 Private Sub DEPOSIT_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load


    TextBox1.Enabled = False
    TextBox2.Enabled = False
    TextBox3.Enabled = False
    TextBox4.Enabled = False
    TextBox6.Enabled = False


    TextBox1.ReadOnly = True
    TextBox2.ReadOnly = True
    TextBox3.ReadOnly = True
    TextBox4.ReadOnly = True
```

Bank Management System

```vbnet
    TextBox6.ReadOnly = True

    Button2.Enabled = False

    Dim CON As New SqlConnection
    Dim CMD As New SqlCommand

    Dim DR As SqlDataReader

    CON.ConnectionString = "Server=ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"

    CON.Open()
    CMD.Connection = CON
    CMD.CommandText = "Select * From Account_Info"
    DR = CMD.ExecuteReader

    While DR.Read
       ComboBox1.Items.Add(DR(0))
    End While

    DR.Close()
    CMD.Dispose()
    CON.Close()


  End Sub

  Private Sub ComboBox1_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
ComboBox1.SelectedIndexChanged
```

Bank Management System

```
    Dim CON As New SqlConnection
    Dim CMD As New SqlCommand
    Dim DR As SqlDataReader

    CON.ConnectionString = "Server =ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"

    CON.Open()
    CMD.Connection = CON
    CMD.CommandText = "Select * From Account_Info"
    DR = CMD.ExecuteReader

    While DR.Read
      If ComboBox1.SelectedItem = DR(0) Then
        TextBox1.Text = DR(1)
        TextBox2.Text = DR(6) & "," & DR(18) & "," & DR(30)
        TextBox3.Text = DR(3)
        TextBox4.Text = DR(47)
      End If
    End While

    DR.Close()
    CMD.Dispose()
    CON.Close()

  End Sub

  Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
```

Bank Management System

```
    Dim CON As New SqlConnection
    Dim CMD As New SqlCommand

    CON.ConnectionString = "Server=ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"

    CON.Open()
    CMD.Connection = CON
    CMD.CommandType = CommandType.StoredProcedure
    CMD.CommandText = "UpdateAccount_Info"

    CMD.Parameters.Add("@Account_No", SqlDbType.Int).Value =
ComboBox1.Text
    CMD.Parameters.Add("@Opening_Bal", SqlDbType.VarChar).Value =
TextBox6.Text

    CMD.ExecuteNonQuery()
    CMD.Dispose()
    CON.Close()

    MsgBox("Previous Amount Updated", MsgBoxStyle.OkOnly)

    ComboBox1.Text = ""
    TextBox1.Text = ""
    TextBox2.Text = ""
    TextBox3.Text = ""
    TextBox4.Text = ""
    TextBox5.Text = ""
    TextBox6.Text = ""

    Button2.Enabled = False
```

Bank Management System

```vb
    End Sub


    Private Sub TextBox5_TextChanged(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles TextBox5.TextChanged
        TextBox6.Text = Val(TextBox4.Text) + Val(TextBox5.Text)
    End Sub


    Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button3.Click
        Me.Close()
    End Sub

End Class
```

- **<u>WITHDRAWAL FORM CODING</u>**

```vb
Imports System.Data.SqlClient

Public Class WITHDRAWL
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
        If TextBox1.Text = "" Or TextBox2.Text = "" Or TextBox3.Text = "" Or
TextBox4.Text = "" Or TextBox5.Text = "" Or TextBox6.Text = "" Or
ComboBox1.Text
= "" Then
            MsgBox("Please Enter The Required Information", MsgBoxStyle.OkOnly)
            Return
        End If


        Dim CON As New SqlConnection
```

Bank Management System

```
    Dim CMD As New SqlCommand

    CON.ConnectionString = "Server=ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"

    CON.Open()
    CMD.Connection = CON
    CMD.CommandType = CommandType.StoredProcedure
    CMD.CommandText = "InsertWithdrawl_Info"

    CMD.Parameters.Add("@Account_No", SqlDbType.Int).Value =
ComboBox1.Text
    CMD.Parameters.Add("@Branch_No", SqlDbType.VarChar).Value =
TextBox1.Text
    CMD.Parameters.Add("@Withdrawee_Name", SqlDbType.VarChar).Value =
TextBox2.Text
    CMD.Parameters.Add("@Account_H_Type", SqlDbType.VarChar).Value =
TextBox3.Text
    CMD.Parameters.Add("@Withdrawl_Amt", SqlDbType.VarChar).Value =
TextBox5.Text
    CMD.Parameters.Add("@Withdrawl_Date", SqlDbType.DateTime).Value =
DateTimePicker1.Text

    CMD.ExecuteNonQuery()
    CMD.Dispose()
    CON.Close()

    MsgBox("Amount Withdrawn", MsgBoxStyle.OkOnly)

    Button2.Enabled = True
  End Sub
```

Bank Management System

```vbnet
    Private Sub WITHDRAWL_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        TextBox1.Enabled = False
        TextBox2.Enabled = False
        TextBox3.Enabled = False
        TextBox4.Enabled = False
        TextBox6.Enabled = False

        TextBox1.ReadOnly = True
        TextBox2.ReadOnly = True
        TextBox3.ReadOnly = True
        TextBox4.ReadOnly = True
        TextBox6.ReadOnly = True

        Button2.Enabled = False

        Dim CON As New SqlConnection
        Dim CMD As New SqlCommand

        Dim DR As SqlDataReader

        CON.ConnectionString = "Server=ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"

        CON.Open()
        CMD.Connection = CON
        CMD.CommandText = "Select * From Account_Info"
        DR = CMD.ExecuteReader

        While DR.Read
            ComboBox1.Items.Add(DR(0))
```

```
    End While

    DR.Close()
    CMD.Dispose()
    CON.Close()
  End Sub
  Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
    Dim CON As New SqlConnection
    Dim CMD As New SqlCommand

    CON.ConnectionString = "Server=ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"

    CON.Open()
    CMD.Connection = CON
    CMD.CommandType = CommandType.StoredProcedure
    CMD.CommandText = "UpdateAccount_Info"

    CMD.Parameters.Add("@Account_No", SqlDbType.Int).Value =
ComboBox1.Text
    CMD.Parameters.Add("@Opening_Bal", SqlDbType.VarChar).Value =
TextBox6.Text

    CMD.ExecuteNonQuery()
    CMD.Dispose()
    CON.Close()

    MsgBox("Previous Amount Updated", MsgBoxStyle.OkOnly)

    ComboBox1.Text = ""
```

```vb
        TextBox1.Text = ""
        TextBox2.Text = ""
        TextBox3.Text = ""
        TextBox4.Text = ""
        TextBox5.Text = ""
        TextBox6.Text = ""

        Button2.Enabled = False
    End Sub
    Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button3.Click
        Me.Close()
    End Sub
    Private Sub ComboBox1_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
ComboBox1.SelectedIndexChanged
        Dim CON As New SqlConnection
        Dim CMD As New SqlCommand
        Dim DR As SqlDataReader

        CON.ConnectionString = "Server =ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"

        CON.Open()
        CMD.Connection = CON
        CMD.CommandText = "Select * From Account_Info"
        DR = CMD.ExecuteReader

        While DR.Read
          If ComboBox1.SelectedItem = DR(0) Then
              TextBox1.Text = DR(1)
```

```vbnet
            TextBox2.Text = DR(6) & ", " & DR(18) & ", " & DR(30)
            TextBox3.Text = DR(3)
            TextBox4.Text = DR(47)
        End If
    End While

    DR.Close()
    CMD.Dispose()
    CON.Close()
    End Sub
    Private Sub TextBox5_TextChanged(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles TextBox5.TextChanged
        TextBox6.Text = Val(TextBox4.Text) - Val(TextBox5.Text)
    End Sub
End Class
```

- **<u>LOAN FORM CODING</u>**

```vbnet
Imports System.Data.SqlClient

Public Class LOAN
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
        'If TextBox1.Text = "" Or TextBox2.Text = "" Or TextBox3.Text = "" Or
TextBox4.Text = "" Or TextBox5.Text = "" Or TextBox5.Text = "" Or
ComboBox1.Text = "" Or ComboBox2.Text = "" Or DateTimePicker1.Text = "" Then
        '   MsgBox("Please Enter The Required Information", MsgBoxStyle.OkOnly)
        '   Return
        'End If

        Dim CON As New SqlConnection
        Dim CMD As New SqlCommand
```

Bank Management System

```
    CON.ConnectionString = "Server=ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"

    CON.Open()
    CMD.Connection = CON
    CMD.CommandType = CommandType.StoredProcedure
    CMD.CommandText = "InsertLoan_Info"

    CMD.Parameters.Add("@Account_No", SqlDbType.Int).Value =
ComboBox1.Text
    CMD.Parameters.Add("@Branch_No", SqlDbType.VarChar).Value =
TextBox1.Text
    CMD.Parameters.Add("@Depositor_Name", SqlDbType.VarChar).Value =
TextBox2.Text
    CMD.Parameters.Add("@Account_H_Type", SqlDbType.VarChar).Value =
TextBox3.Text
    CMD.Parameters.Add("@Time_Span", SqlDbType.VarChar).Value =
ComboBox2.Text
    CMD.Parameters.Add("@ROI", SqlDbType.VarChar).Value = TextBox4.Text
    CMD.Parameters.Add("@Start_Date", SqlDbType.DateTime).Value =
DateTimePicker1.Text
    CMD.Parameters.Add("@Mature_Date", SqlDbType.VarChar).Value =
TextBox5.Text
    CMD.Parameters.Add("@Deposit_Amt", SqlDbType.VarChar).Value =
TextBox6.Text
    CMD.Parameters.Add("@Mature_Amt", SqlDbType.VarChar).Value =
TextBox7.Text

    CMD.ExecuteNonQuery()
    CMD.Dispose()
```

```vbnet
    CON.Close()

    MsgBox("Fixed Deposit Started", MsgBoxStyle.OkOnly)
  End Sub
  Private Sub LOAN _Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
    TextBox1.Enabled = False
    TextBox2.Enabled = False
    TextBox3.Enabled = False
    TextBox4.Enabled = False
    TextBox5.Enabled = False
    TextBox7.Enabled = False
    DateTimePicker1.Enabled = False

    TextBox1.ReadOnly = True
    TextBox2.ReadOnly = True
    TextBox3.ReadOnly = True
    TextBox4.ReadOnly = True

    TextBox6.Enabled = False

    'Button2.Enabled = False

    Dim CON As New SqlConnection
    Dim CMD As New SqlCommand

    Dim DR As SqlDataReader

    CON.ConnectionString = "Server=ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"
```

```
    CON.Open()
    CMD.Connection = CON
    CMD.CommandText = "Select * From Account_Info Where Account_Type='
LOAN '"
    DR = CMD.ExecuteReader

    While DR.Read
       ComboBox1.Items.Add(DR(0))
    End While

    DR.Close()
    CMD.Dispose()
    CON.Close()

    CON.Open()
    CMD.Connection = CON
    CMD.CommandText = "Select * From Rate_Of_Interest_Info"
    DR = CMD.ExecuteReader

    While DR.Read
       ComboBox2.Items.Add(DR(0))
    End While

    DR.Close()
    CMD.Dispose()
    CON.Close()
  End Sub
  Private Sub ComboBox1_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
ComboBox1.SelectedIndexChanged
    Dim CON As New SqlConnection
```

Bank Management System

```vb
    Dim CMD As New SqlCommand
    Dim DR As SqlDataReader

    CON.ConnectionString = "Server =ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"

    CON.Open()
    CMD.Connection = CON
    CMD.CommandText = "Select * From Account_Info"
    DR = CMD.ExecuteReader

    While DR.Read
        If ComboBox1.SelectedItem = DR(0) Then
            TextBox1.Text = DR(1)
            TextBox2.Text = DR(6) & " , " & DR(18) & " , " & DR(30)
            TextBox3.Text = DR(3)
            'TextBox4.Text = DR(47)
        End If
    End While

    DR.Close()
    CMD.Dispose()
    CON.Close()
  End Sub
  Private Sub TextBox5_TextChanged(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles TextBox5.TextChanged
    'TextBox6.Text = Val(TextBox4.Text) + Val(TextBox5.Text)
  End Sub
  Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
    Me.Close()
```

```vb
    End Sub
    Private Sub ComboBox2_SelectedIndexChanged(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
ComboBox2.SelectedIndexChanged

        Dim CON As New SqlConnection
        Dim CMD As New SqlCommand
        Dim DR As SqlDataReader

        CON.ConnectionString = "Server=ANGELDEVIL;Initial
Catalog=BankingSystem;Integrated Security=True"

        CON.Open()
        CMD.Connection = CON
        CMD.CommandText = "Select * From Rate_Of_Interest_Info"
        DR = CMD.ExecuteReader

        While DR.Read
            If ComboBox2.SelectedItem = DR(0) Then
                TextBox4.Text = DR(1)
            End If
        End While

        DR.Close()
        CMD.Dispose()
        CON.Close()

        Dim a, b, c As String

        a = DateTimePicker1.Value.Date.Year
        c = DateTimePicker1.Value.Date.Month
```

```
    b = DateTimePicker1.Value.Date.Day  ' 19 '

    TextBox5.Text = b & "/ " & c & "/" & a + Val(ComboBox2.Text)

    TextBox6.Enabled = True
  End Sub
  Private Sub TextBox6_TextChanged(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles TextBox6.TextChanged
    Dim A As Integer

    A = (Val(TextBox6.Text) * Val(ComboBox2.Text) * Val(TextBox4.Text)) / 100
    TextBox7.Text = TextBox6.Text + A
  End Sub
End Class
```

TESTING AND DEBUGGING

INTRODUCTION:-

The implementation phase of software development is concerned with translating design specification into source code. The preliminary goal of implementation is to write source code and internal documentation so that conformance of the code to its specifications can be easily verified, and so that debugging, testing and modifications are eased. This goal can be achieved by making the source code as clear and straightforword as possible. Simplicity, clarity and elegance are the hallmark of good programs, obscurity, cleverness, and complexity are indications of inadequate design and misdirected thinking.

Source code clarity is enhanced by structured coding techniques, by good coding style, by, appropriate supporting documents, by good internal comments, and by feature provided in modern programming languages.

The implementation team should be provided with a well-defined set of software requirement, an architectural design specification, and a detailed design description. Each team member must understand the objectives of implementation.

TERMS IN TESTING FUNDAMENTAL

1. <u>Error</u>

The term error is used in two ways. It refers to the difference between the actual output of software and the correct output, in this interpretation, error is essential a measure of the difference between actual and ideal. Error is also to used to refer to human action that result in software containing a defect or fault.

2. <u>Fault</u>

Fault is a condition that causes to fail in performing its required function. A fault is a basic reason for software malfunction and is synonymous with the commonly used term Bug.

3. <u>Failure</u>

Failure is the inability of a system or component to perform a required function according to its specifications. A software failure occurs if the behavior of the software is the different from the specified behavior. Failure may be caused due to functional or performance reasons.

a. <u>Unit Testing</u>

The term unit testing comprises the sets of tests performed by an individual programmer prior to integration of the unit into a larger system.
A program unit is usually small enough that the programmer who developed it can test it in great detail, and certainly in greater detail than will be possible when the unit is integrated into an evolving software product. In the unit testing the

programs are tested separately, independent of each other. Since the check is done at the program level, it is also called program teasing.

b. Module Testing

A module and encapsulates related component. So can be tested without other system module.

c. Subsystem Testing

Subsystem testing may be independently design and implemented common problems are sub-system interface mistake in this checking we concentrate on it.

There are four categories of tests that a programmer will typically perform on a program unit.
1) Functional test
2) Performance test
3) Stress test
4) Structure test

1) Functional Test

Functional test cases involve exercising the code with Nominal input values for which expected results are known; as well as boundary values (minimum values, maximum values and values on and just outside the functional boundaries) and special values.

2) Performance Test

Performance testing determines the amount of execution time spent in various parts of the unit, program throughput, response time, and device utilization by the

program unit. A certain amount of avoid expending too much effort on fine-tuning of a program unit that contributes little to the over all performance of the entire system. Performance testing is most productive at the subsystem and system levels.

3) Stress Test

Stress test are those designed to intentionally break the unit. A great deal can be learned about the strengths and limitations of a program by examining the manner in which a program unit breaks.

4) Structure Test

Structure tests are concerned with exercising the internal logic of a program and traversing particular execution paths. Some authors refer collectively to functional performance and stress testing as "black box" testing. While structure testing is referred to as "white box" or "glass box" testing. The major activities in structural testing are deciding which path to exercise, deriving test date to exercise those paths, determining the test coverage criterion to be used, executing the test, and measuring the test coverage achieved when the test cases are exercised.

DEBUGGING

Defect testing is intended to find areas where the program does not confirm to its specifications. Tests are designed to reveal the presence of defect in the system.When defect have been found in the program. There must be discovered and removed. This is called "Debugging".

Bank Management System

FUTURE SCOPE OF THE PROJECT

This project can be handled in future by doing various modifications like: -

➤ We can go further for Online Banking.

➤ We can establish and start various Branches and available help centers for Account Holder's Queries.

➤ We can also deal through internet by creating web pages and a banking website for internet dealing.

➤ To attract Account Holder's we can offer various offers during festivals months.

➤ We can also deal in various types of Banking Transactions.

➤ To have more and more customer satisfaction we will emphasize more and more on our dealings.

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