

# SYNOPSIS

FOR DESIGN THESIS

(For Partial Completion of B. Arch. 10th Semester)

## PROPOSAL

**Topic: CASINO- A punter's paradise**

Submitted by:

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**THESIS GUIDE:-**

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**BABU BANARASI DAS UNIVERSITY, LUCKNOW**

**REMARKS BY THE THESIS COMMITTEE**

**BABU BANARASI DAS UNIVERSITY, LUCKNOW**

## CERTIFICATE OF THESIS SUBMISSION FOR EVALUATION

1. Name: .....

2. Roll No: .....

3. Thesis title: .....

.....

4. Degree for which the thesis is submitted: .....

5. Faculty of the university to which the thesis is submitted:

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6. Thesis Preparation Guide was referred to for preparing the thesis. YES ☐ NO ☐

7. Specifications regarding thesis format have been closely. YES ☐ NO ☐

8. The contents of the thesis have organized based on the guidelines. YES ☐ NO ☐

9. The thesis has been prepared without resorting to plagiarism. YES ☐ NO ☐

10. All sources used have been cited appropriately. YES ☐ NO ☐

11. The thesis has been submitted elsewhere for a degree. YES ☐ NO ☐

12. Submitted 3 spiral bound copies plus one CD. YES ☐ NO ☐

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# CERTIFICATE

Here by recommend that the thesis, entitled "CASINO- A punter's paradise, Cavelossim beach GOA ", prepared by SONAKSHI TEWARI, roll no. 1150101077,

Under by supervision, is the Bonafide work of the student and can be accepted as a partial fulfillment for the award of bachelor's degree in (Ar) school of architecture BBDU, Lucknow.

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Recommendation:

Accepted

Not accepted

.....  
Examiner 1

.....  
Examiner 2

## **ACKNOWLEDGEMENT**

The demands that I express my gratitude to those who have been a part of my stay in **B.B.D.U.**, It's been great, all these years, but life moves on.... And so do us.....

I express my deepest gratitude to my thesis guide **Ar. Deepti Sagar** for her passionate guidance, discussions, suggestion and continuous support through my B. Arch thesis.

Express my gratitude to DEAN, **AR. MOHIT AGARWAL**, and Department of architecture, B.B.D.U., Lucknow, for being there to listen to and solve our problems.

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“Thank you” was not the exact phrase on my mind when I wrote this, It was something each deeper, but I am unable to find word for it.

**All teachers**, your support, encouragement and guidance have given us the strength to mark on this rigorous journey.

Could also like to express my gratitude to various persons without whose help, this thesis would not have been possible. All the experiences that I shall relate in the drawing pages would not have been possible without them.

**Parents:-** saying thanks is nothing, just accept this as a tribute to what you have inspired in me.

**Friends:** Vineet, shubham, ashish, aishwarya, vishal, saumya, akshita, priya, utsav, garav sir, anushka, aditya.

Through words hardly express the true emotions, still I would like to thank all my near and ones who helped and guided me.

**SONAKSHI TEWARI**

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## **INTRODUCTION**

- **CASINO:** A **casino** is a facility for certain types of [gambling](#).
- Casinos are often built near or combined with hotels, resorts, restaurants, retail shopping, cruise ships, and other tourist attractions.
- Some casinos are also known for hosting live entertainment, such as stand-up comedy, concerts, and sports.
- *Casino* is of [Italian](#) origin; the root *casa* means a house.
- The term *casino* may mean a small country [villa](#), [summerhouse](#), or [social club](#).
- Most jurisdictions worldwide have a minimum [gambling age](#) of 18 to 21

## **MOTIVATION**

The designing requires great care in planning for the various services offered with enchanting exterior and interior decor to suit every type of client. The degree of sophistication and decoration requires skill, imagination with ability to design.

## **BENEFITS ASSOCIATED WITH CASINO**

- INCREASED TAX REVENUE
- REPEAT VISITORS
- PROFITTING FROM EXISTING DEMAND
- ADDITIONAL JOB AND POTENTIAL FOR LATE SHIFTS
- INCREASE INTEREST IN OTHER TOURISM RELATED INDUSTRIES

### **Areas of concern:**

- Site Surrounding.
- Space Study.
- Connectivity.
- Parking Space. Location of the project.
- Construction Style.
- Approach.

## **SCOPE:-**

- To develop a casino in goa that will be of international standards & Associated Facilities.
- To create a luxurious tourist destination.

## **REQUIREMENTS OF THE PROJECT**

- Casino
- Themed restaurant with Italian,chinese & continental thai cuisine dining space
- Staff dormitory
- Pool
- Spa
- Open meditation centre
- Store room
- Service room
- Parking
- Bar/liquor store
- Suites
- Cottages
- Recreational spaces

## **OBJECTIVE:**

- Casino will have one main cashier and 4 major halls namely clubs ,hearts ,spades and diamond .
- It will have a huge kitchen with three themed dining space .

## **PROJECT PROFILE**

### **LOCATION: -**

The site is near cavelossim beach in panaji ,goa

### **SITE AREA:-**

32.4 acre,

### **JUSTIFICATION:-**

- The site is near the beach so there is high tide line till 200 m.

- the site is of 32.4 acre but due to no development zone 17.9 acre of land can be used for construction.

- The complex is to be facilitated with other indoor and outdoor facility to. Like:

- 1.vollyball and pool gaming area.

- 2.Swimming pool for kids and elders with proper shower and Changing rooms for both girls and boys.

## **SITE ANALYSIS**

### **ABOUT THE CITY: -**

The site is located in goa . GOA is India's smallest state by area and the fourth smallest by population. Located in west India in the region known as konkan, it is bounded by the state of Maharashtra.

**LOCATION:-** The site is situated amidst the classy 5 star resorts like the leela palace, holiday inn, proposed four seasons, Radisson blu,proposed oberois, ramada , taj exotica and the park hyatt .

-32 ACRE HIGH PROFILE SEA SIDE BELT , HAVING AN APPROXIMATE 290 M SEA FRONTAGE.

-THE APPROACH ROAD IS 15 M WIDE COMING FROM THE 12 M WIDE CARMONA ROAD.

### **SITE DIMENSION:-**

The site is trapezoidal in shape .

**Total Area:-**32.4 acre .

### **ACCESS TO SITE:-**

Site is access by 15 m wide carmona road.

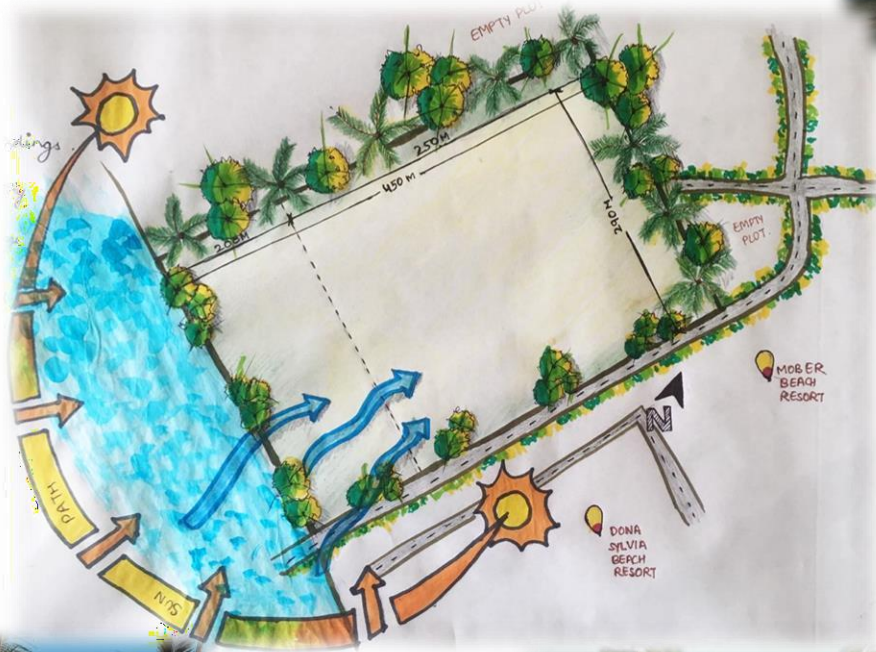
#### **Railway station:-**

DISTANCE FROM MARGAO CITY - **14.8 KM**

DISTANCE FROM CAPITAL PANJIM - **45 KM**

**Airport: - 34 km**





**TOPOGRAPHY**—The site is flat and not having any contours. Site is about the road level.

**SOIL CONDITION** – BEARING CAPACITY : 1.73 TO 3205 CUBIC METRE .

**TOTAL DEVELOPMENT AREA** : 290X250 M

**TOTAL SITE AREA** : 17.9 ACRE.

**ORIENTATION** : LONGER SIDE IN EAST DIRECTION.

**GEOGRAPHICAL AREA** : 1966 SQ.KM.

**POPULATION** : 5,89,095.

**AVERAGE RAINFALL** : 3110 MM.

**DRAINAGE PATTERN** : DENDRITIC TYPE.

**TYPE OF WATER** : CALCIUM BICARBONATE TYPE .

**CROPS** : PADDY,CERIAL,MILLETS,PULSES,SUGARCANE,COCONUT,ARECANUTS  
CASHEW NUTS.

**SEA LEVEL**: 3 M

**WIND DIRECTION** : FROM NORTH EAST TO SOUTH WEST.

**VILLAGE TO BEACH DISTANCE** : 2.6 KM.

**VEGETATION-** the site is covered with unimportant shrubs and trees and some palm trees and many other trees farther towards the beach.

**ELECTRICITY** -High tension wire pass through the road. Transformer is also present.

**STREET LIGHT** -Street light poles are present .

## **SWOT ANALYSIS**

### **STRENGTHS:**

- the site is near a beach which adds value.
- it is cavelossim village with minimum traffic and no pollution.

### **WEAKNESS:**

- the site falls in crz-iii (coastal regulation zone-iii)
- area upto 200m from high tide line (htl) is earmarked as no development zone. however following uses are permissible -
  - a) gardens,parks,playfields,forestry
  - b) agriculture,horticulture,salt manufacture from sea water
- development of vacant plots b/w 200m -500m from htl (high tide line )is permitted for construction of hotel resort

### **OPPORTUNITY:**

- to create a blend of comfort,style,and luxury.
- to create the best holiday destination in goa .
- Encourage tourist which is important for Economy.

### **THREATS:**

- five star resorts like radisson , the leela.

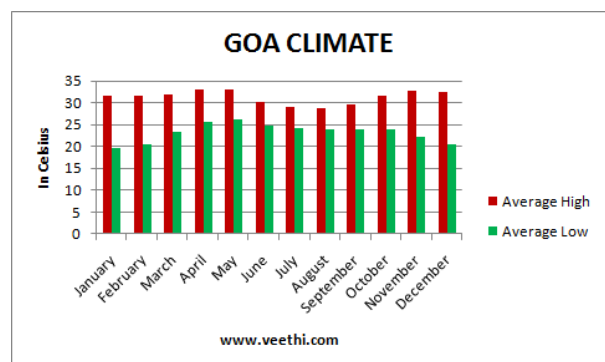
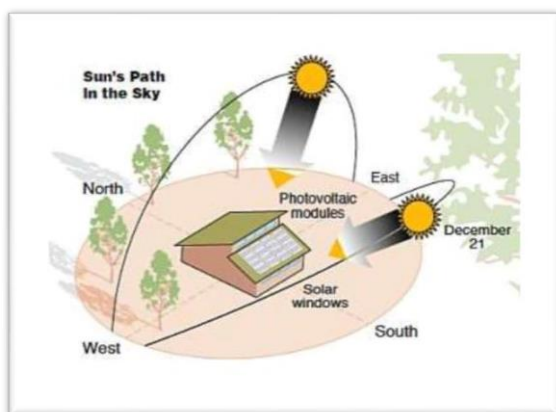
SWOT analysis is a strategic planning technique used to help a person or organization identify strengths, weaknesses, opportunities, and threats related to business competition or project planning.

## CLIMATE

**Temperature :-** GOA IS GENERALLY HUMID DUE TO ITS PROXIMITY TO SEA.

-AT NIGHT THE MEAN MAXIMUM VARIES B/W 21 DEG. CELSIUS AND 27 DEG. CELSIUS.DBT IN THE SHADE REACHES A MEAN MAX.DURING THE DAY OF B/W 29 DEG.CELSIUS AND 33 DEG CELSIUS.

Climate data for Goa													
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Average high °C (°F)	31.6 (88.9)	31.5 (88.7)	32 (89.6)	33 (91.4)	33 (91.4)	30.3 (86.5)	28.9 (84)	28.8 (83.8)	29.5 (85.1)	31.6 (88.9)	32.8 (91)	32.4 (90.3)	31.283 (88.3)
Average low °C (°F)	19.6 (67.3)	20.5 (68.9)	23.2 (73.8)	25.6 (78.1)	26.3 (79.3)	24.7 (76.5)	24.1 (75.4)	24 (75.2)	23.8 (74.8)	23.8 (74.8)	22.3 (72.1)	20.6 (69.1)	23.208 (73.775)
Rainfall mm	0.2	0.1	1.2	11.8	112.7	868.2	994.8	518.7	251.9	124.8	30.9	16.7	244.33
Avg. rainy days	0	0	0.1	0.8	4.2	21.9	27.2	13.3	13.5	6.2	2.5	0.4	7.5083



**PREVAILING WIND DIRECTION :** THE REGION EXPERIENCE LAND AND SEA WIND CIRCULATION.THE MEAN WIND SPEED OBSERVED IS OF THE ORDER 20.22 KM/HR. AND HEIST AROUND 35KM/HR.

**ORIENTATION:** FROM THE POINT OF VIEW OF SOLAR HEAT GAIN,THE BEST ARRANGEMENT WOULD WITH LONGER AXIS IN EAST WEST DIRECTION.

**HUMIDITY:** RELATIVE HUMIDITY REMAINS HIGH AT ABOUT 70% FOR MOST OF THE TIME BUT IT MAY VARY FROM 65 TO ALMOST 85%,SO MORE OPEN PLACES ARE REQUIRED .

## STANDARDS

THE PUBLIC GAMBLING ACT (1867) SAYS :

UNDER THE CONSTITUTION OF INDIA , THE INDIAN STATES HAVE BEEN ENTRUSTED WITH THE POWER TO FRAME STATE SPECIFIC LAWS ON " BETTING AND GAMBLING ".

ACCORDING TO ACT 1976 : CASINO CAN BE SET UP ONLY AT FIVE STAR OR OFFSHORE VESSELS WITH THE PRIOR PERMISSION OF THE GOVERNMENT .

- GOA GOVERNMENT EARNS 125 CRORE ANNUALLY INFORMS OF TAXED FROM THE CASINO.

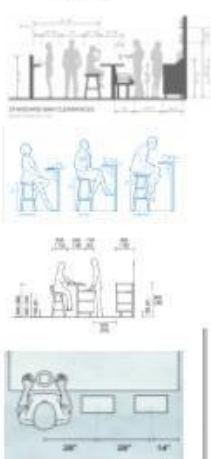
COST OF LICENCE : INR 20 LAKHS FOR ONSHORE & OFFSHORE CASINO.

INR 2.5 CRORE PER ANNUM PER 100 SQ. M FOR LAND BASED CASINO

INR 7 CRORE FOR OFFSHORE CASINO.

GST 28% FOR BETTING OR GAMBLING SERVICES.

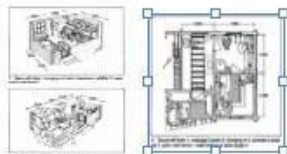
### BAR -



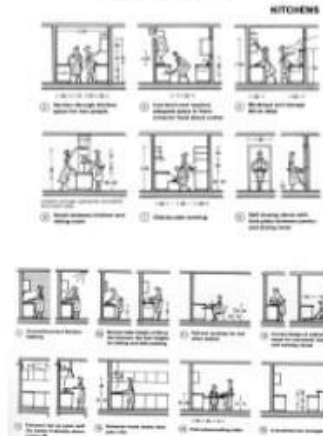
### SWIMMING POOL -



### SAUNA -



### KITCHEN -



### BATHROOM -



## **CASE STUDY 1: CASINO PRIDE ,GOA**

**PROJECT : CASINO PRIDE**

**LOCATION : CAPTAIN OF PORTS JETTY,PANAJI  
GOA.**

**TYPE: OFFSHORE CASINO**

**NO.OF FLOORS : 3**

**TOTAL FLOOR AREA : 30000 SQ. FT(2787 SQ.M)**

**AREA OF WEATHER DECK:10000 SQ. FT(929 SQ.M)**

**VISITORS : 500-800 VISITORS AT PEAK HOURS**

**FACILITIES : CASINO,RESTAURANT,HOTEL AND  
BANQUET AREAS.**

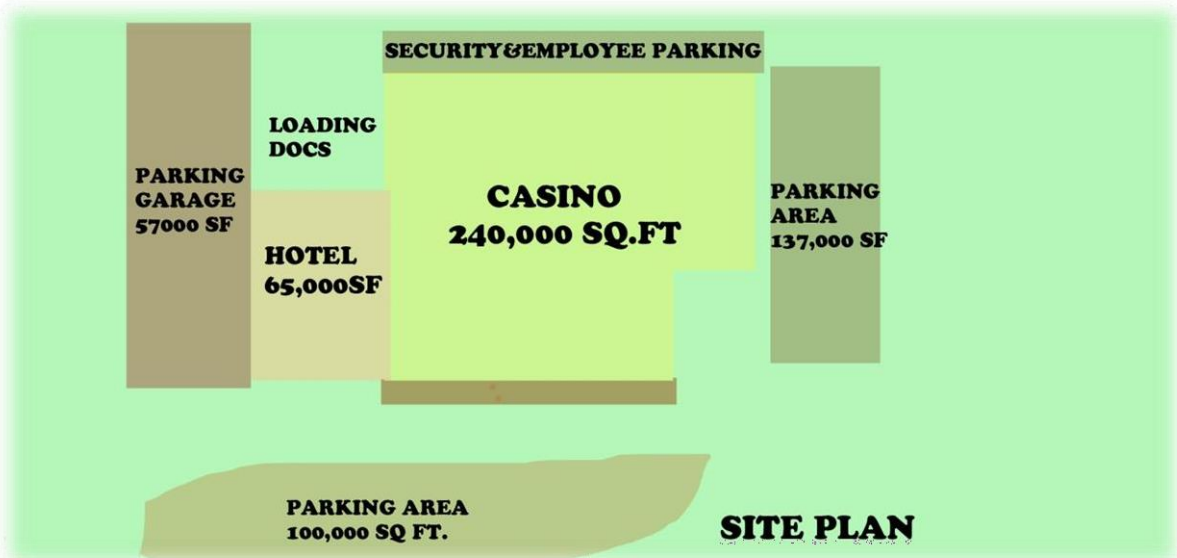
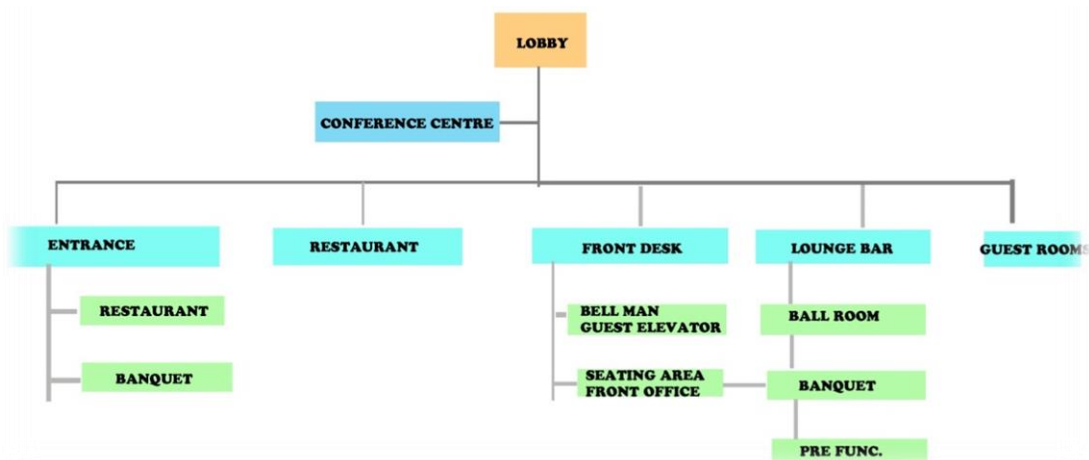
**NO. OF PLAYING TABLES : 40**

**TYPES OF GAMES : BLACK JACK , 5 CARD POKER,  
MINI FLUSH,ROULETTE,FLUSH  
ANDAR BAHAR,PAPLU (RUMMY)  
BADE MIYA CHOTE MIYA,  
CASINO WAR, BACCARAT ETC.**

**NO. OF EMPLOYEES: 450**







## FIRST FLOOR AMENITIES :

GAMING AOILETS DREA

TABLE GAMES

BAR

CASHIER

WASHROOMS

SMOKING ZONE

## SECOND FLOOR AMENITIES :

V.I.P GAMING AREA

BAR

OFFICES

PRIVATE GAMING ZONES

WASHROOMS

## THIRD FLOOR AMENITIES :

FOOD ARENA

BUFFET

BAR

STAGE

KIDS ZONE AREA

WASHROOMS

PRIVATE GAMING ZONE

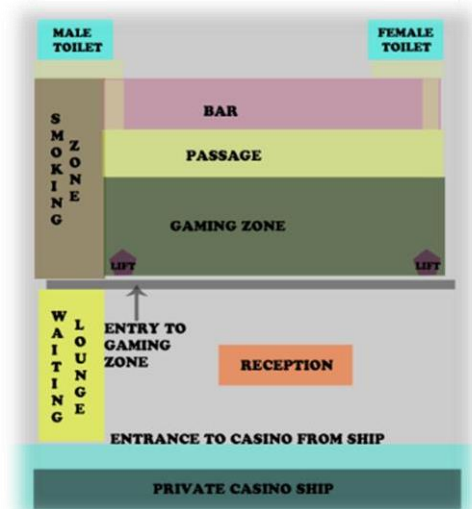
## SERVICES:

STAIRCASE

LIFT: 2

FIRE EXTINGUISHING: MIST SYSTEM

EMERGENCY EXIT: 4



## **LITERATURE STUDY 1:**

### **CEASAR'S PALACE , LAS VEGAS**

- Caesars Palace is a luxury hotel and casino in Paradise, Nevada, United States.
- The hotel is situated on the west side of the Las Vegas Strip between Bellagio and The Mirage. It is one of Las Vegas's largest and best known landmarks
- Caesars Palace was founded in 1966 by Jay Sarno and Stanley Mallin.

**OPENING** - AUGUST 5, 1966.

**THEME** - ROMAN EMPIRE.

**NO.OF ROOMS** - 3960.

**TOTAL GAMING SPACE** - 16600 SQ.FT.

**SIGNATURE** - FORUM SHOPS.

**TYPE** - LAND BASED.

### **LOCATION AND ITS SURROUNDINGS**

casino is situated in the 4.2 mi (6.8km) stretch of south las vegas known as the strip, where the gambling & entertainment industry of las vegaas is mostly focused. It is located on the west side of the strip between the bellagio and the mirage.

Hotel includes a convention facility of over 300000 sq.ft ( 28,000 sq.mt)



The hotel has a large range of restaurants. The modern casino facilities include table games such as blackjack, craps, roulette, baccarat, Spanish 21, mini-baccarat, Pai Gow and Pai Gow poker. The casino also features a 4,500-square-foot (420 m2) 24-hour poker room; and many slot machines and video poker machines.



#### **THE HOTEL IS DIVIDED INTO 4 -**

**THE COLOSSEUM** - The main performance venue is The Colosseum.

The theatre seats 4,296 people and contains a 22,450-square-foot (2,086 m<sup>2</sup>) stage.

- MUNCH BAR
- POKER ROOM
- PURE NIGHTCLUB
- PUSSYCAT DOLLS PIT
- RACE&SPORTS BOOK
- SEAHORSE BAR
- SPORTS BAR.

**CEASARS PALACE** - Construction of the 14-story Caesars Palace hotel on the 34-acre (14 ha) site began in 1962, and it opened in 1966. It lay next to Dunes Hotel and opposite the Desert Inn.

The original hotel featured lanes of cypresses and marble columns as part of a 900 feet (270 m) frontage, with the hotel set back 475 feet (145 m) . The car park could accommodate up to 1300 cars.

#### **CASINO PALACE -**

- BELL DECK
- CASHIER
- CASINO HOST
- GALVERIA BAR
- PAYARD EXPRESS
- ROMAN TOWER
- TOTAL REWARDS

Caesars Forum is the original casino of the hotel which opened in 1966 with 30 gaming tables and 250 slot machines. It contains 20 black Italian marble columns with white marble and gold leaf trimmings.

In the centre is a flat ornate dome with an "enormous chandelier in the shape of a Roman medallion, made of 100,000 handmade and handpolished crystals" on the ceiling.

The modern casino facilities include table games such as Blackjack, Craps, Roulette, Baccarat, Spanish 21, Mini-Baccarat, Pai Gow and Pai Gow poker. Caesars Palace's 4,500 square feet (420 m<sup>2</sup>) 24-hour poker room currently lies in heart of the gaming floor between The Colosseum and the Race & Sports Book, where racing and sports bets are put on.

There are many traditional reel-type slot machines, video reels machine, video poker games, video blackjack or keno.-24 HOURS LAS VEGAS PROPER ACTION BOTH WITH CASH GAMES OF ALL STAKES & A FULL DAILY SCHEDULE OF LAS VEGAS PROPER TOURNAMENT THE CASINO BELOW THE HOTEL OFFERS OVER 29000 SQ FT OF GAMING SPACE.

GREEK & ROMAN DECOR ADORN EVERY INCH OF THE HOTEL.  
THE REMARKABLE CAESARS PALACE LAS VEGAS HAS PROPER ROOMS  
FEATURES AN ADJACENT 6000 SQ FT. TOURNAMENT ROOM WITH 62 LABELS.

**HOTEL & CASINO** - 85 ACRE OF LAND ON THE STRIP AND IS  
HOMES TO OVER 25 EXCLUSIVE RESTAURANT AT RESORT.  
THE PALACE TOWER 9' CEILINGS.  
SPACIOUS, BEAUTIFULLY APPOINTED, ROOMS OFFER  
SPLENDID COMFORT & RELAXED SERENITY .

**NO. OF ROOMS IN SUITE : 10**

**NO. OF ROOMS IN HOTEL : 3.392 INCLUDING 248 SUITES.**

## LITERATURE STUDY 2: THE VENETIAN MACAU

The Venetian Macau is a luxury hotel and casino resort in Macau owned by the American Las Vegas Sands company. The Venetian is a 39-story, casino hotel on the Cotai Strip in Macau.

The 10,500,000-square-foot (980,000 m<sup>2</sup>) Venetian Macao is modeled on its sister casino resort . The Venetian Las Vegas. The Venetian Macao is the largest casino in the world, the largest single structure hotel building in Asia, and also the seventh-largest building in the world by floor area.

The main hotel tower was finished in July 2007 and the resort officially opened on 28 August 2007. The resort has 3,000 suites, 1,200,000 sqft (110,000 m<sup>2</sup>) of convention space, 1,600,000 sq ft (150,000 m<sup>2</sup>) of retail, 550,000 square feet (51,000 m<sup>2</sup>) of casino space – with 3,400 slot machines and 800 gambling tables and the 15,000-seat Cotai Arena for entertainment and sports events.

The casino measures 546,000 sq ft (50,700 m<sup>2</sup>). It is further divided into four themed gaming areas—namely, **Golden Fish, Imperial House, Red Dragon and Phoenix**. The casino consists of over 6,000 slot machines and 800 gambling tables .

**Location** - Macau  
**Address-** Cotai Strip  
**Opening date**-28 August 2007; 12 years ago  
**Theme** - Venice, Italy  
**No. of rooms** -3,000  
**Total gaming space** - 550,000 sq ft (51,000 m<sup>2</sup>)  
**Signature attractions** - Cotai Arena  
**Casino type** - Land-based .



### LOCATION AND SURROUNDINGS :

THE COTAI STRIP -

- 7 RESORT HOTEL COMPLEXES.
- 20,000 GUEST ROOMS.
- OVER 1 MILLION SQ.FT CASINO SPACE .
- OVER 1 MILLION SQ.FT OF CONVENTION SPACE.
- 2.5-5 MILLIONS OF MASTER PLANNED RETAIL SPACE CONNECTED BY ALL WEATHER AC MOVING WALKWAYS
- 2500 VACATION SUITES.
- 25000 SEATS FOR LIVE ENTERTAINMENT

### CONCEPT AND DESIGN:

ITS COMPLEX IS “ VENICE THEMED” SO EACH AND EVERY OF ITS CORNERS RESEMBLES THE FAMOUS ITALIAN CITY INCLUDING THE GANDOLA PACKED CANAL.

THE COMPLEX OCCUPIES ALMOST 1 MILLION SQ FT. OF BAROQUE STYLE RETAIL SPACE , WITH 350 HIGH END SHOPS,RESTAURANTS,CAFES,NIGHT CLUBS,ENTERTAINMENT,STATE OF ART SPA.

**PLANNING :**

- MOST EXCLUSIVE GAMING RESORT DESTINATION.
- ENTRY GALLERIA WILL LEAD TO GRAND CURVED ESCALATOR OCCUPYING A TWO STOREY.
- SPACE AT THE CENTRE OF THE CASINO THAT CONNECTS TO A SHOPPING CENTRE ON THE UPPER LEVEL.
- STREETCAPS COMPLETE WITH CANALS AND GANDOLAS.
- 1.2 M SQ.FT OF MEETING SPACE .
- 15000 SEAT ARENA & WORLD'S LARGEST CASINO.

CASINO IS DIVIDED INTO FOUR THEMED GAMING AREAS -

**GOLDEN FISH  
IMPERIAL HOUSE  
RED DRAGON  
PHEONIX.**

- NO. OF FOOD & BEVERAGE FACILITY.
- BAR FLORIAN & RED DRAGON NOODLES HOUSE.
- VIP CLUB FOR HIGH ROLLERS & PREMIUM GUESTS.
- PAIZA CLUB GAMING AREAS COMPRISES INDIVIDUAL PRIVATE GAMING ROOM.
- THE CASINO AT VENETIAN MACAU CONSISTS OF 51000 SQ. M OF GAMING SPACE WITH 400 SLOT & 800 GAMING

**TABLES.SHOPS -**

- \* GOLDEN FISH & IMPERIAL HOUSE CASINO
- \* ZAIA THEATER

**RESTAURANT & BARS -**

- \*RED DRAGON & PHEONIX CASINO.

### LITERATURE STUDY : 3

#### BOLLYWOOD CASINO, TOLEDO

**SITE ENTRANCE : LOCATION** - FAR WEST TO MINIMIZE INTERFERANE WITH EXISTING TRAFFIC.**DELIVERY / EMPLOYEE ENTRANCE** : EAST

**CASINO GRAND ENTRANCE** : SOUTH EAST FACING TO MIXIMIZE EXPOSURE TO THE RIVER FRONT LOCATION.

**LOADING DOCKS** : WEST, BLOCKED VIEW BY PLANTING TREES.TYPE : LAND BASE CASINO

**AREA** : 200000 SQ. FT ( 18580.6 SQ. M)

**ARCHITECT** : URBAN DESIGN GROUP

**CLIENT** : PENN NATIONAL GAMING

**AREA** : 35.5 ACRES

**VISITORS** : 7970 VISITORS / DAY

**PARKING** : 2400 PARKING SLOTS

**AMENITIES** : CASINO, RESTAURANT , HOTEL, BANQUET AREAS

30% OF THE CASINO'S AREA : **FOR WAREHOUSE.**

25% OF THE GAMING AREA :**FOR SECURITY.**

NO.OF RESTAURANT : 3

-EPIC BUFFET

-FINAL CUT (steak and sea food)

-TAKE GRILL





# CONCEPT

## Introduction

### CASINO - a punter's paradise



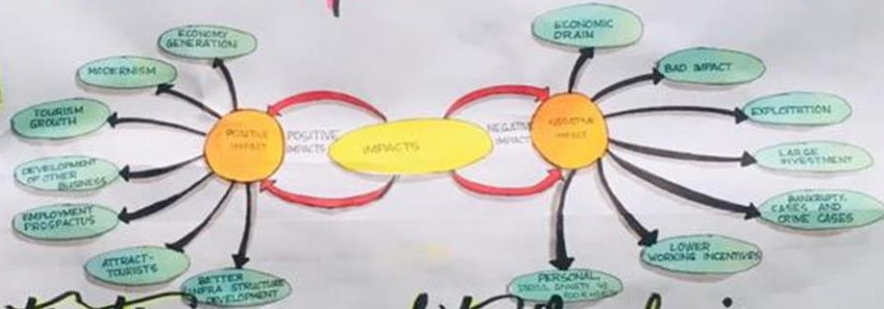
A CASINO IS A FACILITY FOR CERTAIN TYPES OF GAMBLING. CASINOS ARE OFTEN BUILT NEAR OR COMBINED WITH HOTELS, RESTAURANTS, RETAIL, SHOPPING AND OTHER TOURIST ATTRACTIONS.



## Aims & Objectives

THE MAIN AIM IS TO PROVIDE DESIGN AND CONCEPT SOLUTION FOR PROPOSED CASINO TO CATER FOR THE BUSINESS AND LESSEES NEED OF THE CLIENT AND VISITOR.

## Impacts



## Activities



GAMING



## Site Analysis

### ABOUT SITE

THE SITE IS SITUATED AMIDST THE CLASSY FIVE STAR RESORT LINE THE LUXURY PALACE, HOLIDAY INN, BOUTIQUE, CLUB, AND EXOTIC.

### SITE APPROACH

- 30 KM AIRPORT
- 12 KM RAILWAY
- 40 KM PANJAI

TOTAL SITE AREA = 130,500 SQM  
= 32.5 ACRES  
DEVELOPMENT AREA = 32,400 SQM  
= 7.9 ACRES  
GROUND COVER = 33%

- THE SITE IS GENTLY SLOPY TOWARD THE BEACH
- THE SITE IS COVERED WITH UNIMPORTANT TREES
- THE MAIN ARTERIAL ROAD (SUR) IS 15M WIDE COMING FROM THE 12M WIDE CARMONA ROAD





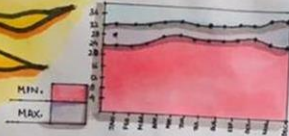
# Climate

## Temperature

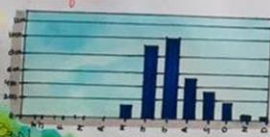
DBT IN THE SHADE REACHES A MEAN MAX. DURING A DAY OF 34.2°C AND 33°C. AT NIGHT THE MEAN MAX VARIES BETWEEN 27°C AND 27°C

MONTHLY MEAN MAX	33.5
MONTHLY MEAN MIN	19.4
ANNUAL MEAN TEMP	31.4
ANNUAL MEAN RANGE	14.4

COOL AND PLEASANT	DEC-FEB
WARM WITH HOT SUMMER	MAR-MAY
LOVELY GREEN & LUSH	JUN-SEP
RELATIVELY WARM WITH NO	OCT-NOV



## Rainfall



MONSOON SEASON IS FROM MID JUNE- OCTOBER, MEAN ANNUAL RAINFALL IS INCREASED, WHICH REDUCED EVAPORATION EVAPORATION AND CAUSES UNCOMFORTED CONDITIONS.

## ORIENTATION

THE BEST ARRANGEMENT WOULD WITH LONGER AXIS IN EAST-WEST DIRECTION.

## Precipitation

PRECIPITATION IS HIGH THROUGH OUT THE YEAR, GENERALLY BECOMING MORE INTENSE FOR SEVERAL EXECUTIVE MONTHS.

## Orientation of opening

WHEN THE OPENINGS ARE AT 45° TO THE WIND DIRECTION, THERE IS BETTER AVERAGE INDOOR VELOCITY AND BETTER DISTRIBUTION.

## CROSS VENTILATION

ESSENTIAL THAT WINDOWS ARE LOCATED ON OPPOSITE WALLS TO ENCOURAGE CROSS VENTILATION. THE AIR FLOW DEPENDS DIRECTLY ON THE DIFFERENCE IN PRESSURE AT THE OPENINGS.

## PREVAILING WIND DIRECTION

THE REGION EXPERIENCE LAND AND SEA WIND CIRCULATION. THE MEAN WIND SPEED OBSERVED IS OF THE ORDER 20-22 KM/HR. AND HIGHER AROUND 35 KM/HR.

SUMMER - NORTH EAST

WINTER - SOUTH WEST

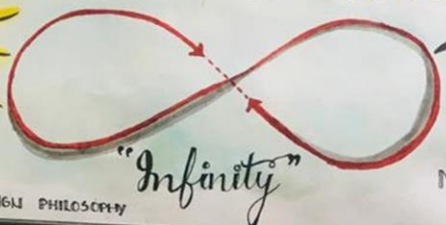
SEASONAL WINDS - WESTERLY

MONSOON - SOUTH EAST

## MICRO CLIMATE

BREEZES BECOME PREDOMINANT AND ARE NEAR THE SHORES. THEY AFFECTS QUALITY AND ALSO THE AMOUNT OF HUMIDITY.

# Form Evolution and Requirements



## DESIGN PHILOSOPHY

ALL THE WORLD IS STAGE AND ALL THE MAN AND WOMEN ARE MERELY PLAYERS.

ARCHITECTURE PROVIDES STAGE FOR LIFE WITH "PUBLIC SPACES" ACTING AS A BASED FOR LIFE'S EXPRESSION. THIS RELATIONSHIP OF BUILT ENVIRONMENT AND CONDUCTIVE LEARNING GENERATE CULTURAL IMPRINT.

THE INTRO OF THE "INFINITY" DEPICTS THE UNCERTAINTY IN THE GAME OF ROUTINE WHICH IS ENTIRELY BASED ON "LUCK".

SECTOR A - CASINO

SECTOR B - MAX IMP AREA

SPA COTTAGES

SECTOR C - GARDEN (HOT MESS)

## DESTINATION - TWO PHASE

PHASE - A: DAY

B: NIGHT

• PEACEFUL & SERENE

• LIVELY & ENERGETIC

• SPA

• CASINO

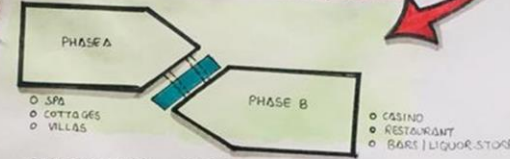
• COTTAGES

• POOL

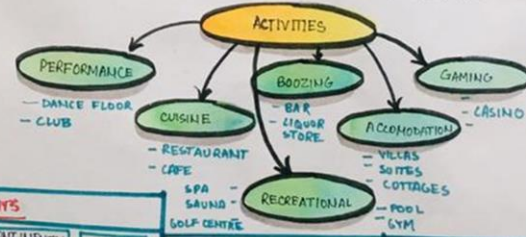
• CAFE

## MAIN OBJECTIVE

TO PROVIDE DESIGN AND CONSTRUCTION SOLUTION FOR PROPOSED CASINO TO CATER FOR THE BUSINESS AND LEAGUES NEED OF THE CLIENT AND THE VISITOR, RESPECTIVELY.



## REQUIREMENTS ACCORDING TO THE ACTIVITIES



## RESTAURANTS

ITALIAN CONTINENTAL CHINESE

• OPERA

• KITCHEN - PREPARATION AREA

• STORAGE

• FREEZER ROOM

• CHILLER ROOM

• UTENSILS REQUIREMENTS

• DINING SPACE

• TOILETS

• PRIVATE DINING

• MANAGER'S ROOM

• RECEPTION

• CLOAK ROOM

• OUTDOOR

• BARBEQUE AREA

## POOL

• SHOWER ROOM

• TOILETS

• CHANGING ROOM

• POOL AREA

• FACIAL ROOM

• SAUNA

• WHIRLPOOL

• MASSAGE ROOM

• TOUCH THERAPY ROOM

• TREATMENT LAB

• FISH TANK

• FIRST AID

• WET TREATMENT ROOM

• DRY TREATMENT ROOM

## CASINO

### GAMING ZONE

• HALL

• SMOKING ROOM

• SLOT AREA

• SECURITY

• CASINO HOST

• CASHIER

• REWARDS

• TOILETS

• BAR

• PERFORMANCE AREA

• VIDEO GAMES AREA

• PRIVATE GAMING AREA

### BAR/LIQUOR STORE

• COUNTER

• BACKBAR

• TOILETS

• DANCE FLOOR

• COCKTAIL LOUNGE

• STORAGE

• DINING AREA

• KITCHEN / PANTRY

• FREEZER ROOM

• CASH COUNTER

• MANAGER ROOM

• LOCKER ROOM

• STAGE / DANCE FLOOR

• BILLIARD'S ROOM

• PRIVATE BAR

### SPA

• LOCKER/CHANGING/VANITY AREA

• PRIVATE RELAXATION / MEDITATION

• ADMINISTRATION OFFICE

• STAFF LOUNGE

• STORAGE

• LAUNDRY ROOM

• SPA CAFE

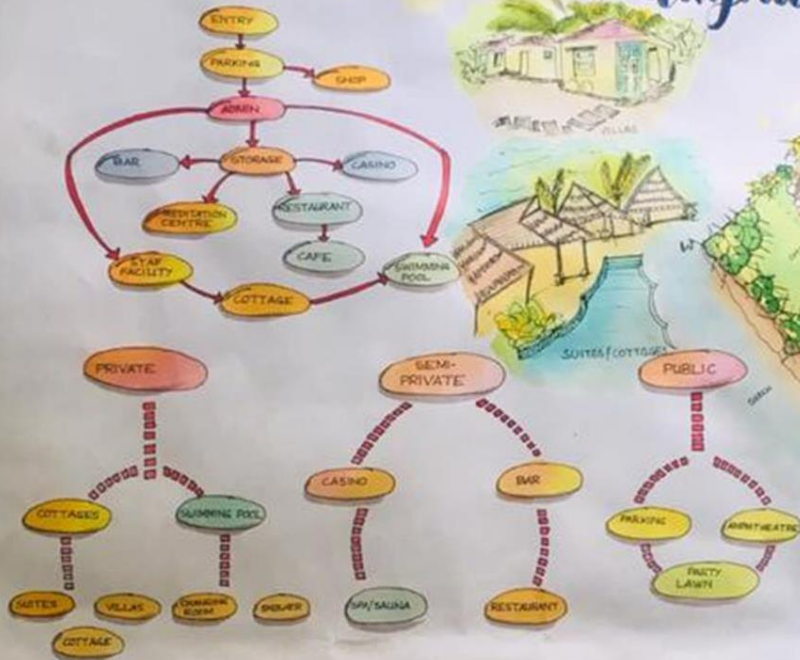
• BEAUTY SALON

• RETAIL COSMETIC BOUTIQUE

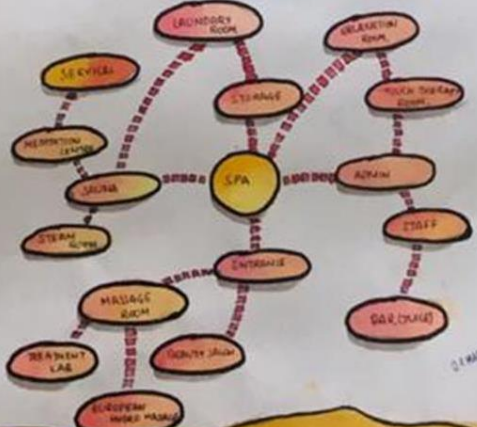
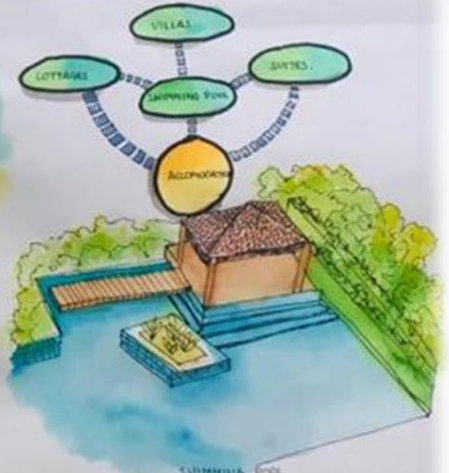


# Zoning

# Conceptual layout



# Flow Charts



21 MAR 2020



# Area Analysis

AMENITIES	NO.	OCCUPANCY	AREA/UNIT	TOTAL AREA
GRAND PIT'S	4	1000	2000	8000 M <sup>2</sup>
VIP GAMING ROOMS	8	8	12 M <sup>2</sup> /PERSON	960 M <sup>2</sup>
SLOT AREA	-	500 SLOT MACHINE	0.5 M <sup>2</sup> /MACHINE	250 M <sup>2</sup>
SECURITY	4	-	50 M <sup>2</sup>	200 M <sup>2</sup>
CASINO HOST	4	1	20 M <sup>2</sup>	100 M <sup>2</sup>
CASHIER	4	3	3 M <sup>2</sup> /PERSON	45 M <sup>2</sup>
REWARDS	1	-	25 M <sup>2</sup>	25 M <sup>2</sup>
THEMED RESTAURANT	3	250	17 M <sup>2</sup> /PERSON	1275 M <sup>2</sup>
ITALIAN				
CONTINENTAL THAI				
CHINESE				
NIGHT CLUB	2	100	2 M <sup>2</sup> /PERSON	400 M <sup>2</sup>
BAR IN CASINO	4	50	12 M <sup>2</sup> /PERSON	480 M <sup>2</sup>
PERFORMANCE AREA	4	-	50	200 M <sup>2</sup>
BELL DESK	40	1	0.5 M <sup>2</sup> /TABLE	20 M <sup>2</sup>

TOTAL = 12785 SQM

AMENITIES	NO.	AREA/UNIT	TOTAL AREA
BILLYARD'S TABLE	1	30.8 M <sup>2</sup> /TABLE	30 M <sup>2</sup>
T.T.	1	-	72 M <sup>2</sup>
CARROM	2	4.5 M <sup>2</sup> /TABLE	9 M <sup>2</sup>
TABLE FOOTBALL	1	4 M <sup>2</sup> /TABLE	4 M <sup>2</sup>
SPA	1	-	61 M <sup>2</sup>
YOGA & MEDITATION	1	-	30 M <sup>2</sup>
GYM	1	-	30 M <sup>2</sup>

TOTAL = 787 SQM

AMENITIES	NO.	AREA/UNIT	TOTAL AREA
GENE RATOR ROOM	1	-	50 M <sup>2</sup>
PAINTER ROOM / PAINTS WASH	1	0.5 M <sup>2</sup> /M <sup>2</sup>	10 M <sup>2</sup>
LAUNDRY	1	-	10 M <sup>2</sup>
STAFF LOCKER ROOMS	10 DESK	3.5 M <sup>2</sup> /DESK	35 M <sup>2</sup>

TOTAL = 101.0 M<sup>2</sup>

AMENITIES	NO.	AREA/UNIT	TOTAL AREA
LINEN STORE	1	0.3 M <sup>2</sup> /GR	10.5 M <sup>2</sup>
COLD STORAGE	1	0.4 M <sup>2</sup> /GR	14 M <sup>2</sup>
MAINTENANCE	1	0.3 M <sup>2</sup> /GR	10.5 M <sup>2</sup>
FUEL & REFUSE	1	0.14 M <sup>2</sup> /GR	6.6 M <sup>2</sup>
GENERAL	1	0.22 M <sup>2</sup> /GR	7.7 M <sup>2</sup>

TOTAL = 49.8 M<sup>2</sup>

AMENITIES	NO.	AREA/UNIT	TOTAL AREA
STAFF ROOM	4	15 M <sup>2</sup>	60 M <sup>2</sup>
STAFF DORMIT.	20 BEDS	3.5 M <sup>2</sup> /BED	70 M <sup>2</sup>
STAFF MESS	1 FOLIO	1.7 M <sup>2</sup> /FOLIO	25.5 M <sup>2</sup>
LOCKER ROOM	1	12 M <sup>2</sup>	12 M <sup>2</sup>
TOILETS	1	-	7 M <sup>2</sup>

TOTAL = 174.6 M<sup>2</sup>

AMENITIES	NO.	AREA/UNIT	TOTAL AREA
ENTRANCE LOBBY	1	1 M <sup>2</sup>	30 M <sup>2</sup>
TOILET	1	-	-
MALE	1	-	7.5 M <sup>2</sup>
FEMALE	1	-	6 M <sup>2</sup>

TOTAL = 43.5 M<sup>2</sup>

AMENITIES	NO.	AREA/UNIT	TOTAL AREA
MANAGER ROOM	3	12 M <sup>2</sup>	36 M <sup>2</sup>
ACCOUNTANT & RECEIPTS	1	19.5 M <sup>2</sup>	45 M <sup>2</sup>
LOCKERS ROOM	1	-	12 M <sup>2</sup>

TOTAL = 93 M<sup>2</sup>

AMENITIES	NO.	AREA/UNIT	TOTAL AREA
RENTAL SHOPS	8	20 M <sup>2</sup>	160 M <sup>2</sup>

TOTAL = 200 M<sup>2</sup>

AMENITIES	NO.	AREA/UNIT	TOTAL AREA
LOCKER ROOM CHANGING	1	-	12 M <sup>2</sup>
PRIVATE REAR MEDITATION	1	-	0.6 M <sup>2</sup>
ADMIN OFFICE	1	-	15 M <sup>2</sup>
STAFF LOUNGE	1	-	25 M <sup>2</sup>
STORAGE	1	-	25 M <sup>2</sup>
LAUNDRY ROOM	1	-	10 M <sup>2</sup>
SPA/CAFE/JUICE	1	20 PERM	240 M <sup>2</sup>
BEAUTY SALOON	1	-	20 M <sup>2</sup>
FACIAL ROOM	1	-	15 M <sup>2</sup>
SAUNA	1	-	20 M <sup>2</sup>
STEAM ROOM	1	-	20 M <sup>2</sup>
MASSAGE ROOM	3	12 M <sup>2</sup> /M <sup>2</sup>	36 M <sup>2</sup>
TOUCH THE ROOM	3	12 M <sup>2</sup> /M <sup>2</sup>	36 M <sup>2</sup>
TREATMENT LAB	2	12 M <sup>2</sup> /M <sup>2</sup>	24 M <sup>2</sup>
EUROPEAN HYDRO MASSAGE	1	3 M <sup>2</sup> /M <sup>2</sup>	36 M <sup>2</sup>
WET TREATMENT	2	3 M <sup>2</sup> /M <sup>2</sup>	18 M <sup>2</sup>
DRY TREATMENT	2	9 M <sup>2</sup> /M <sup>2</sup>	18 M <sup>2</sup>
TREATMENT WAITING AREA	1	-	15 M <sup>2</sup>

TOTAL = 615 M<sup>2</sup>

AMENITIES	NO.	AREA/UNIT	TOTAL AREA
DINING/REST.	70	17 M <sup>2</sup> /M <sup>2</sup>	119 M <sup>2</sup>
KITCHEN	1	44 M <sup>2</sup> /K <sup>2</sup>	17.6 M <sup>2</sup>
COFFEE SHOP	1/500	1.5 M <sup>2</sup> /M <sup>2</sup>	60 M <sup>2</sup>
BAR/LOBBY'S	200/200	1.2 M <sup>2</sup> /M <sup>2</sup>	240 M <sup>2</sup>

TOTAL = 466.6 M<sup>2</sup>

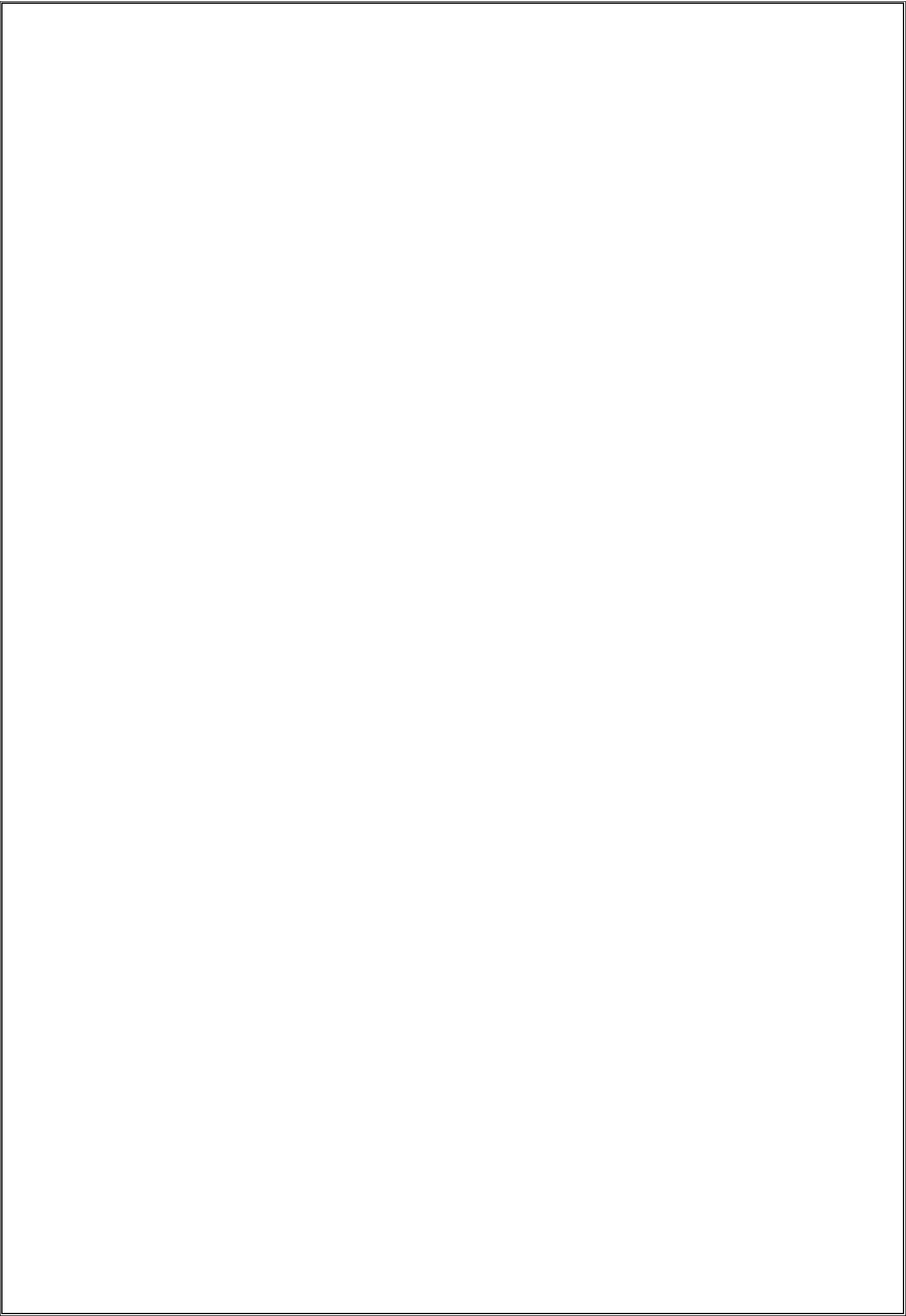
AMENITIES	NO.	AREA/UNIT	TOTAL AREA
COTTAGES	15	30 M <sup>2</sup> /C	450 M <sup>2</sup>
VILLA (OPTIONAL)	2.0	40 M <sup>2</sup> /V	800 M <sup>2</sup>

TOTAL = 1250 M<sup>2</sup>

PARKING = 800 M<sup>2</sup>  
ROADS = 500 M<sup>2</sup>  
TOTAL = 16,250 M<sup>2</sup>  
+ 20 M<sup>2</sup>  
= 32 M<sup>2</sup>  
GRAND TOTAL =  
GROUND COVER =  
P.A.R.

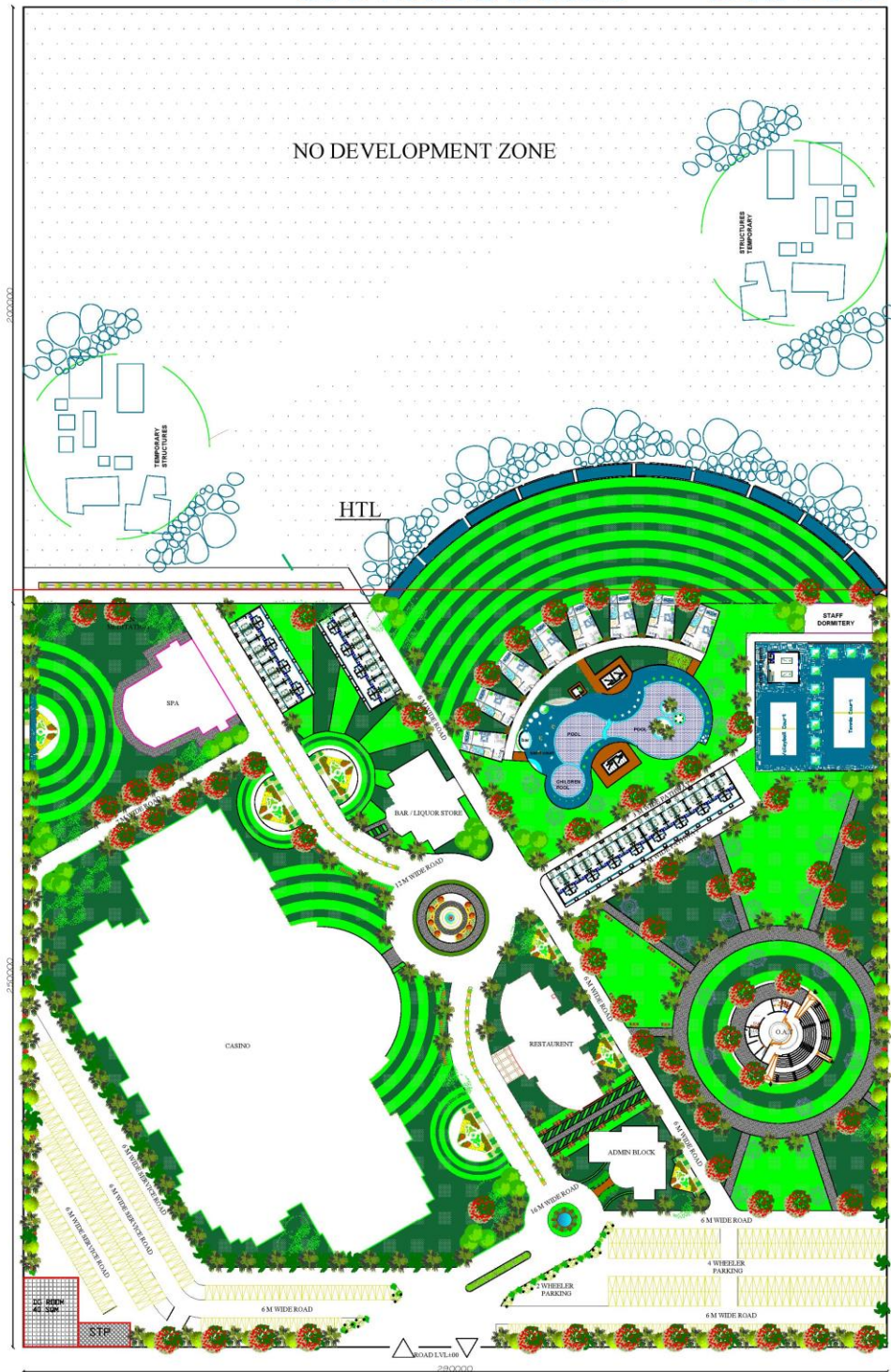
Guide: Mr. Deepthi  
Submitted: Sonakshi







## BEACH



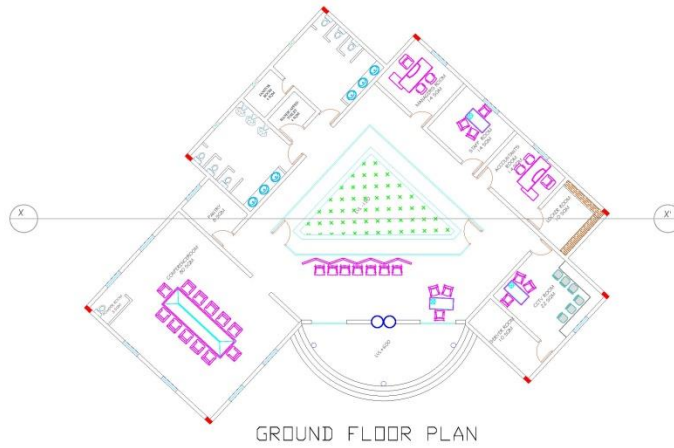
## CASINO - A punter's paradise

NOTE : ALL DIMENSIONS AREA IN MILLIMETER  
SCALE : 1/500

SONAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. LKO.



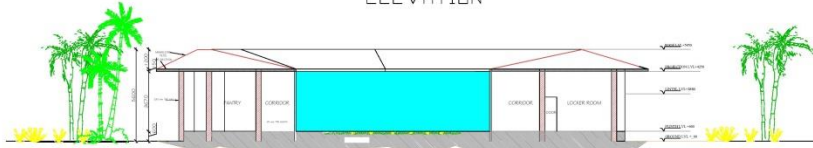
# ADMIN BLOCK



GROUND FLOOR PLAN



ELEVATION



SECTION XX'

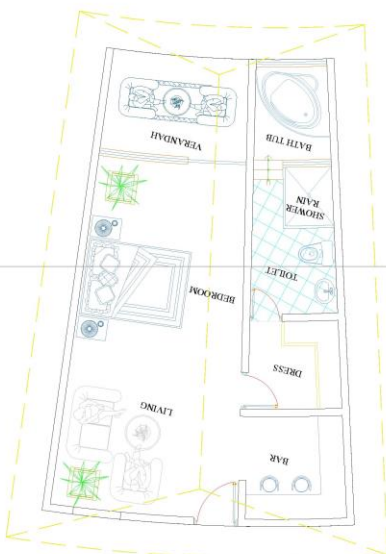
## CASINO - A punter's paradise

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS  
SCALE: 1:500

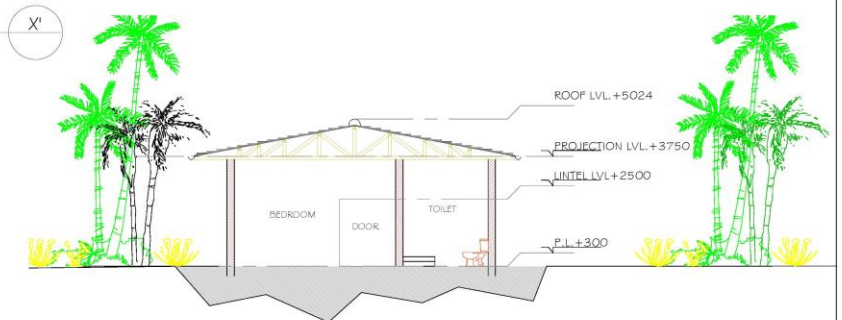
SONAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. LKO.



# COTTAGES



ELEVATION



SECTION XX'

## CASINO - A punter's paradise

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS  
SCALE: 1:500

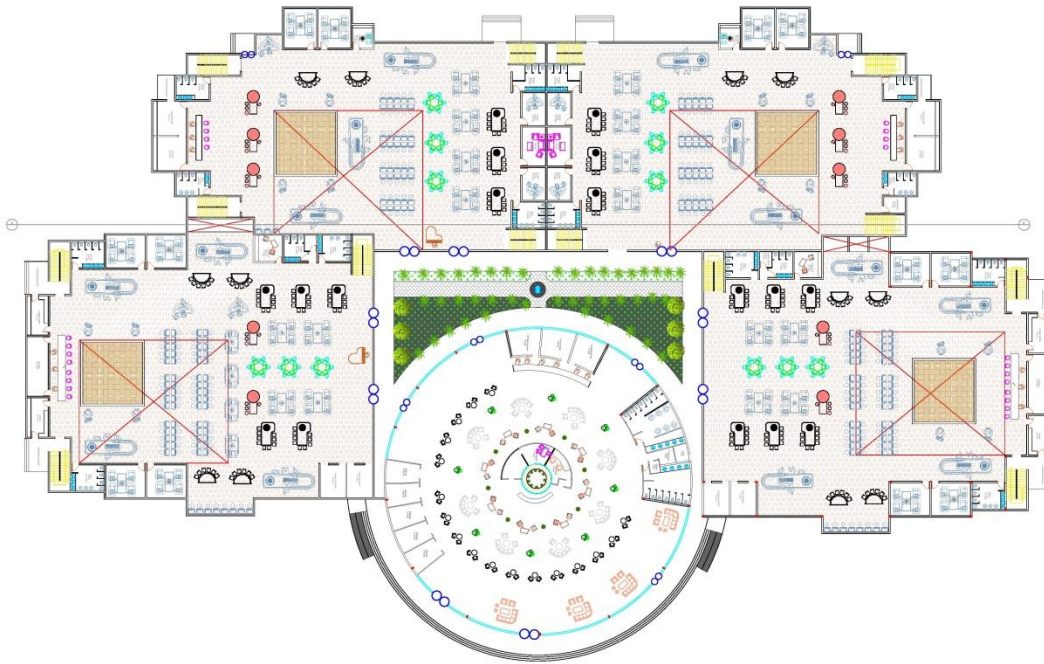
SONAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. LKO.





CASINO

PLAN



GROUND FLOOR PLAN

CASINO - A punter's paradise

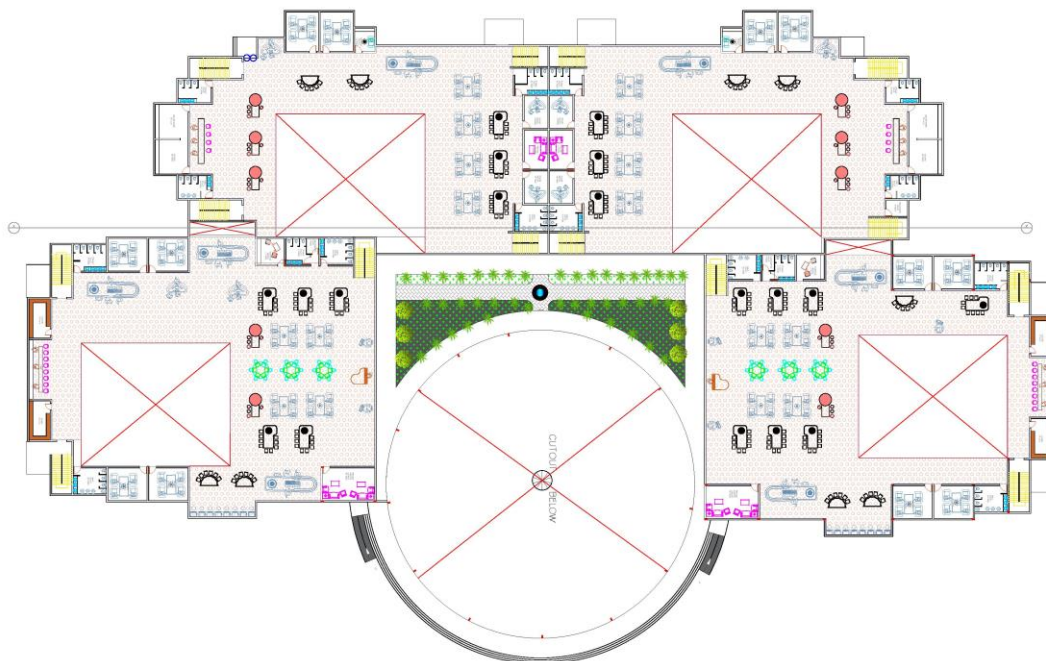
NOTE: ALL DIMENSIONS AREA IN MILLIMETERS  
SCALE: 1:1000

SDNAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. LKO.



CASINO

PLAN



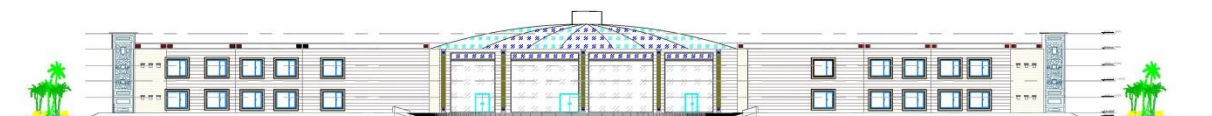
FIRST FLOOR PLAN

CASINO - A punter's paradise

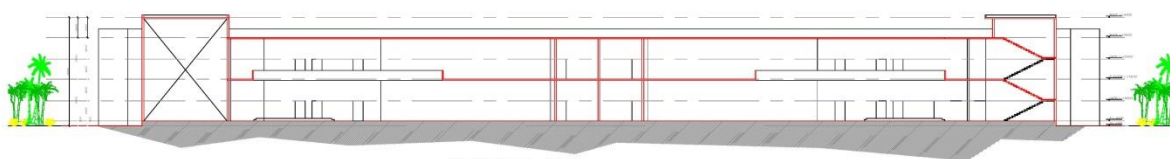
NOTE: ALL DIMENSIONS AREA IN MILLIMETERS  
SCALE: 1:1000

SDNAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. LKO.





ELEVATION

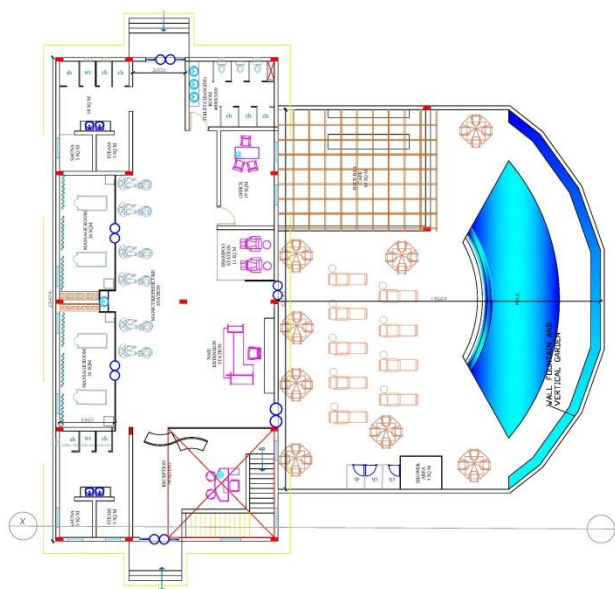


SECTION XX'

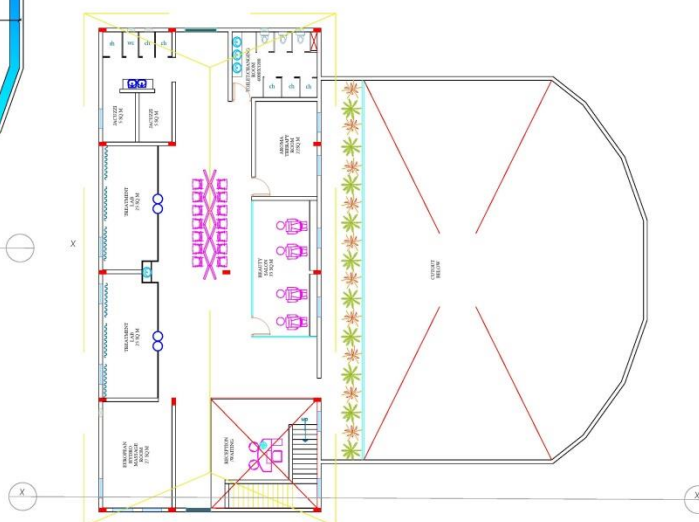
## CASINO - A punter's paradise

NOTE: ALL DIMENSIONS AREA IN MILLIMETERS  
SCALE: 1/800

SONAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. LKO.



GROUND FLOOR PLAN



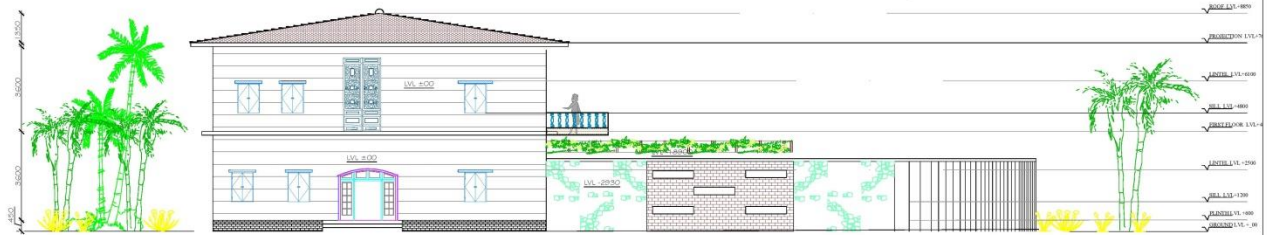
FIRST FLOOR PLAN

## CASINO - A punter's paradise

NOTE: ALL DIMENSIONS AREA IN MILLIMETERS  
SCALE: 1/800

SONAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. LKO.





ELEVATION

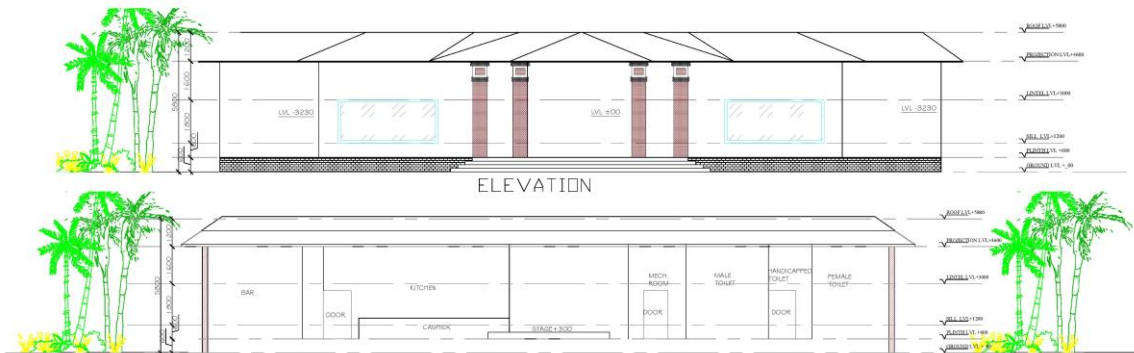
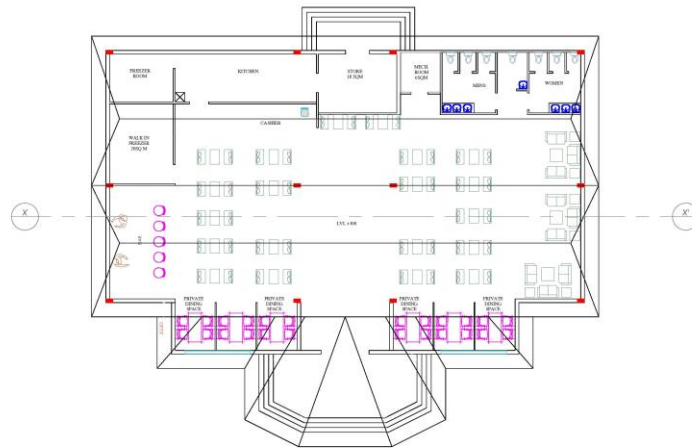


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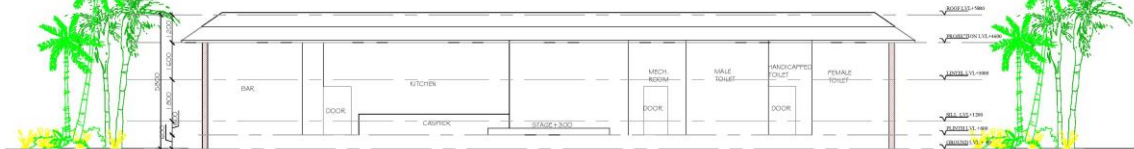
## CASINO - A punter's paradise

NOTE : ALL DIMENSIONS AREA IN MILLIMETERS  
SCALE : 1:500

SONAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. LKD.



ELEVATION



SECTION XX'

## CASINO - A punter's paradise

NOTE : ALL DIMENSIONS AREA IN MILLIMETERS  
SCALE : 1:500

SONAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. LKD.





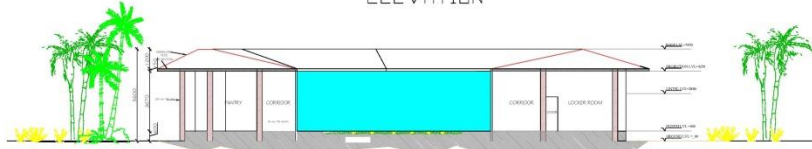
# ADMIN BLOCK



GROUND FLOOR PLAN



ELEVATION



SECTION XX'

## CASINO - A punter's paradise

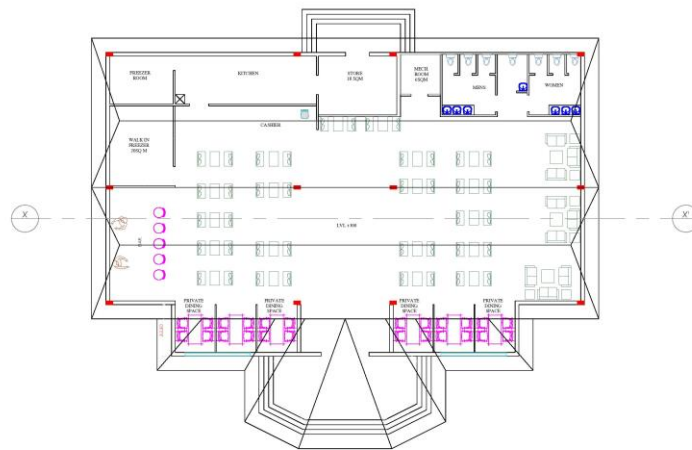
NOTE: ALL DIMENSIONS AREA IN MILLIMETERS  
SCALE: 1:500

SONAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. LKO.

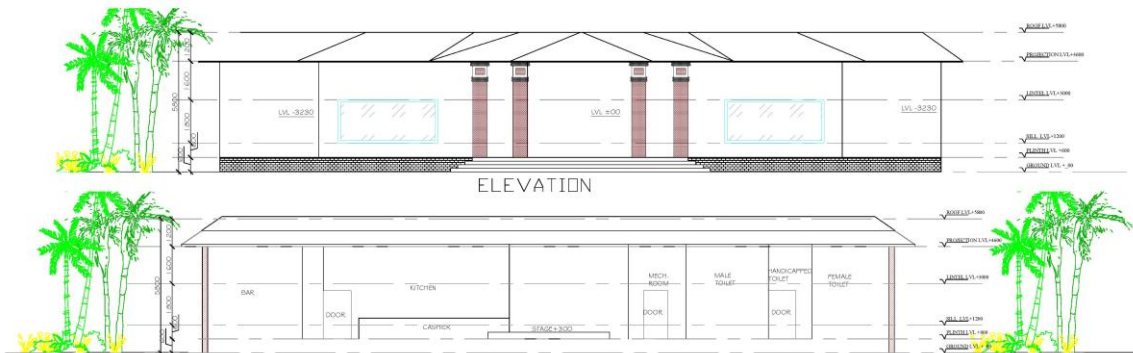


# BAR

# PLAN



ELEVATION



SECTION XX'

## CASINO - A punter's paradise

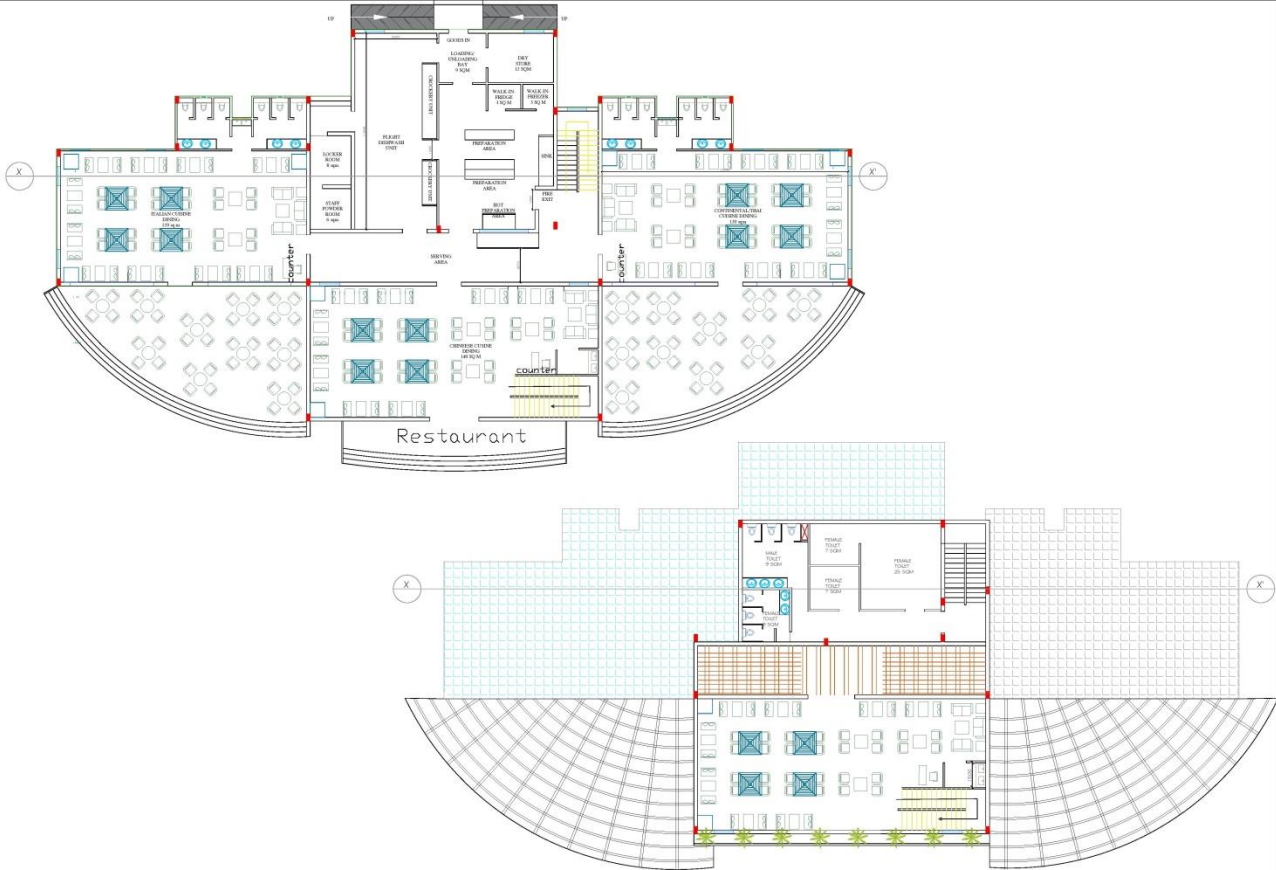
NOTE: ALL DIMENSIONS AREA IN MILLIMETERS  
SCALE: 1:500

SONAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. LKO.





# RESTAURANT PLAN



## CASINO - A punter's paradise

NOTE - ALL DIMENSIONS AREA IN MILLIMETERS  
SCALE - 1:250

SONAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. LKO.



# RESTAURANT ELEVATION & SECTION



ELEVATION



SECTION XX'

## CASINO - A punter's paradise

NOTE - ALL DIMENSIONS AREA IN MILLIMETERS  
SCALE - 1:250

SONAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. LKO.



# STAFF DORM.



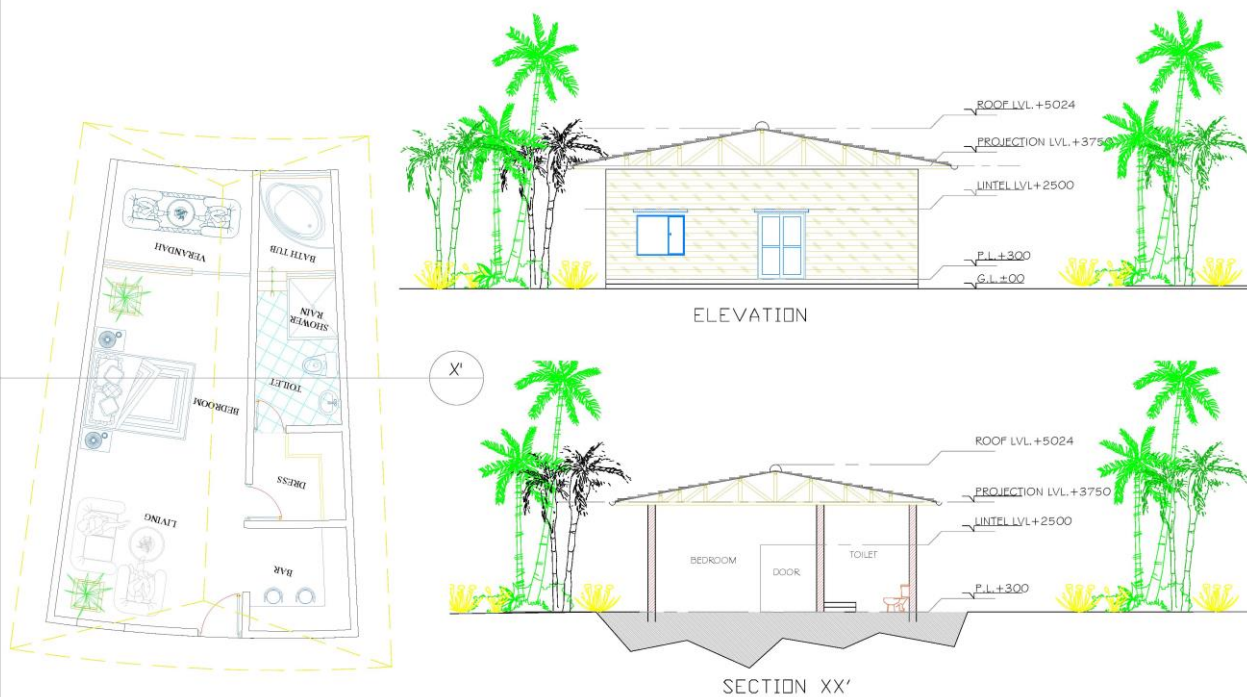
## CASINO - A punter's paradise

NOTE: ALL DIMENSIONS AREA IN MILLIMETERS.  
SCALE: 1/200

SONAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. L.K.D.



# COTTAGES



## CASINO - A punter's paradise

NOTE: ALL DIMENSIONS AREA IN MILLIMETERS.  
SCALE: 1/200

SONAKSHI TEWARI  
AR- 5-3  
THESIS 2019-2020  
B.B.D.U. L.K.D.



# V I L L A



## CASINO - A punter's paradise

NOTE: ALL DIMENSIONS AREA IN MILLIMETERS  
SCALE: 1:1000

SONAKSHI TEWARI  
AR - 5-3  
THESIS 2019-2020  
B.B.D.U. LKO.



