



ACADEMIC STUDY TOUR

AGRA, UTTAR PRADESH

BACHELOR'S IN PLANNING
7th SEMESTER

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Agra, also known as the “*City of TAJ*” is developed on the banks of river Yamuna in the state of Uttar Pradesh. Being the major tourist destination of the Mughal-era buildings, most notably the Tāj Mahal, the Agra Fort and Fatehpūr Sikrī, are listed in the UNESCO (*United Nations Educational Scientific and Cultural Organization*) World Heritage Sites.

Many case studies on the preservation of the historical monuments, study on environment of in and around the city, ways of economic development in the city were carried out but never a study on the urban development and its effect on the surroundings was in least focus. But due to the rising demand on stratifying haphazard growths, Planning comes into the role of carrying out such studies.

A regional plan is one such study that not only helps the development in urban areas but also considers the influence, on the surroundings of the area of study.

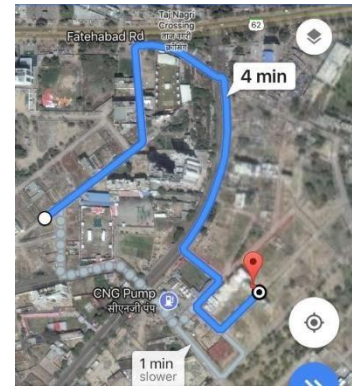
A regional plan is an approach for having planned and sustainable development of Human Settlements. This approach is classified into three heads:

- (i) Administrative Region – Have an administrative boundary. (Eg. Metropolitan Regions)
- (ii) Investment Regions – Economic zones (Eg. Industrial Corridors, Manufacturing Zones)
- (iii) Special Regions – Sensitive areas (Eg. Protected Forests, Backward Regions)

As a part the curriculum of B.Planning - 7th semester, the students were to carry out the study on how Agra and its surroundings could be catered as a region, considering the tourist attractions, agro-development and industrial development with its surroundings. The strength of 24 students started of their journey for the study tour on 19th August, 2017. The schedule for the study tour is as follows:

S. No.	Date	Day	Work Plan
1	19-02-2017	Saturday	Arrival in Agra, Reconnaissance Survey
2	20-02-2017	Sunday	Transport Surveys (Traffic Volume Count, Origin-Destination)
3	21-02-2017	Monday	Visit to Tehsil offices with-in Agra District
4	22-02-2017	Tuesday	Visit to various offices with-in Agra City (ADA, AMC, DSO etc.)
5	23-02-2017	Wednesday	Visit to various offices with-in Agra City (Agra Jalkal, Torrent Power etc.)
6	24-02-2017	Thursday	Transport Surveys (Traffic Volume Count, Origin-Destination)
7	25-02-2017	Friday	Visit to various offices with-in Agra City (Agra Tourism Dept., SPCB etc.)
8	26-02-2017	Saturday	Tourist Feedback survey and Wholesale Mandi & Markets Survey
9	27-02-2017	Sunday	Departure to Delhi

The accommodation of the students in Agra was at Queen's Palace Paying Guest House and the accommodation of faculties accompanying the students was at Gayatri Residency, at a walking distance of 5 minutes (300 meters) from the student's accommodation.



The detailed description of the day-wise work status is as follows:

Day 1: Reconnaissance Survey

With the pre-study at the campus on the city, the students carried out the Reconnaissance Survey on the day of arrival in Agra. This helps to have a better understanding



Figure 1: Photos captured during Reconnaissance Survey at Sadar Bazar, Jama Masjid

regarding the functioning of the city, lifestyle of the people, modes of available for movement, important places and landmarks in the city etc.

After the survey at the student's accommodation, discussion on the work to be carried on the next day was discussed. In this discussion the location of Transport surveys, changes in the survey formats and the distribution of students into groups were done.

Day 2 & 6: Transport Surveys (Traffic Volume Count, Origin-Destination)

Traffic Volume Count

Table 1: Outer Cordin points of TVC & OD Survey

S. No.	Survey Location
1	Etmadpur (Landmark: Ajay Honda Motors)
2	Jagner (Landmark: Near Janta Inter College)
3	Kiraoli (Landmark: Fatehpur Sikri Junction)
4	Bah (Landmark: Dauji H.P. Filling Station)
5	Jajau (Landmark: Sairya Filling Station)
6	Singma (Indian Oil Petrol Pump)

(T.V.C.) and OriginDestination (O-D) are transport surveys that help understand the flow of traffic into and outside the side. The location for these surveys are chosen on the periphery of the study area. These locations are termed as “Outer Cordin Points” in planning. A total of 6 locations were selected on the major routes of movement to the city. The students were distributed into groups of 4 students.

Figure 2: Photographs of TVC & OD survey at Kiraoli, Etmadpur and Jajau



Day 3: Office Visit (Tehsil offices in Agra District)

Secondary Data Collection within Sub Districts/Tehsils of Agra Region. Students were assigned to collect data such as maps, documents, handbooks relating to Transportation, Environment, Economy, and Infrastructure. Students also had interactions with various officials like Sub Division Magistrate, Tehsildar, Nagar Panchayat and Sarpanchs of their respected tehsils for necessary inputs on the development process and progress in the tehsils and also the problems in implementation of schemes.



Figure 3: Panchayat office - Bah, Tehsil Headquarters - Khairagarh

- Khairagarh Tehsil Headquarters
- Fatehbad Tehsil Headquarters
- Etmadpur Tehsil Headquarters
- Kiraouli Tehsil Headquarters
- Bah tehsil Headquarters
- Agra Tehsil and District Headquarters

Day 4, 5 & 7: Office Visit (Agra Development Authority, Agra Municipal Corporation, District Statistical Office etc, in Agra District)

As the regional plan study is required of data on Demography, Transport, Environment, Infrastructure, Economy, Schemes and Policies, Settlement pattern students visited various offices and collected the data as mentioned in the table below:

S. No.	Aspect	Office	Data Collected
1	Demography	District Statistical Office	District statistical Handbook consisting of Population, Sex Ratio etc.
2	Environment	Pollution Control Board, Disaster Management Office	Air pollution Handbook, District Disaster Management plan, Ambient Air Quality in Taj Trapezium Zone, District Census Handbook, Comprehensive Environmental
3	Transport	UPSRTC, JNNURM (AMRUT) Office	Detailed Project Report of JNNURM on City Transport, Bus Route Maps, City level public transport indicators(5 years), Regional Level Routes(UPSRTC),
4	Infrastructure	Agra Municipal Corporation, UP Jal Nigam	Locations, Costs, Capacity and other details of WTP, STP, New Projects, Water Supply(sources), Property Tax Collection
5	Schemes & Funding	Agra Municipal Corporation	Smart City, AMRUT, Swachh Bharat Abhiyan, Municipal Budget
6	Settlement & Development	Agra Development Authority	Building Byelaws, Zonal and Master Plans

Day 8: Tourist Feedback survey and Wholesale market and Mandi survey

This survey is carried out at the tourist locations to analyse the problems faced and suggestions. Agra being a great tourist destination for both Indian and Foreign Tourist, this survey is very much important.

The survey in Wholesale Market's and Mandi's fetch the data of major commodities like crops, vegetables, fruits, spices etc, that help indicate the sources of revenue.

Altogether, the tourist and market survey help to analyse the problems leading to development and help propose for better access to the consumers.

Student Attendance

Atul Chauhan
Abhishek Maurya
Kevirietuo Mepfhuo
K Anji Babu
Ganji Vignan
Mathoseto Peaseyie
Mayank Singh
Mridula Roy
Nidhi Kumari
Nida Amin
Piyush Rath
Sabhya Raj
S.Mohana Vamsi Sharan
Tippani mani krishna
TinkeshPal
Singh Kiran Arjun
Shahrukh Khan
Vivek Kumar
Wasim Akram
Yash Pratap Singh
Sandesh subba
Kartik Srivastava
Lakshman R
Ravi Rajput