

# Informal settlements & social inclusion: experience of undergraduate planning education

Balvinder Singh

National BINUCOM conference,  
Informal Settlements in Indian Cities  
Impulses for Innovation in Architecture and Urban Planning  
Karpagam Academy of Higher Education, Coimbatore, 1-4 September 2016



Funded by the  
Erasmus+ Programme  
of the European Union

**B IN U COM**  
uilding inclusive urban communities



**Informal Settlements Indian Cities**  
Impulses for Innovation in Architecture and Urban Planning

---

# INFORMAL SETTLEMENTS & SOCIAL INCLUSION: EXPERIENCE OF UNDERGRADUATE PLANNING EDUCATION

Prof. Dr. Balvinder Singh  
Guru Ramdas School Of Planning  
Guru Nanak Dev University, Amritsar.  
E Mail: [balvindergndu2003@yahoo.co.in](mailto:balvindergndu2003@yahoo.co.in)



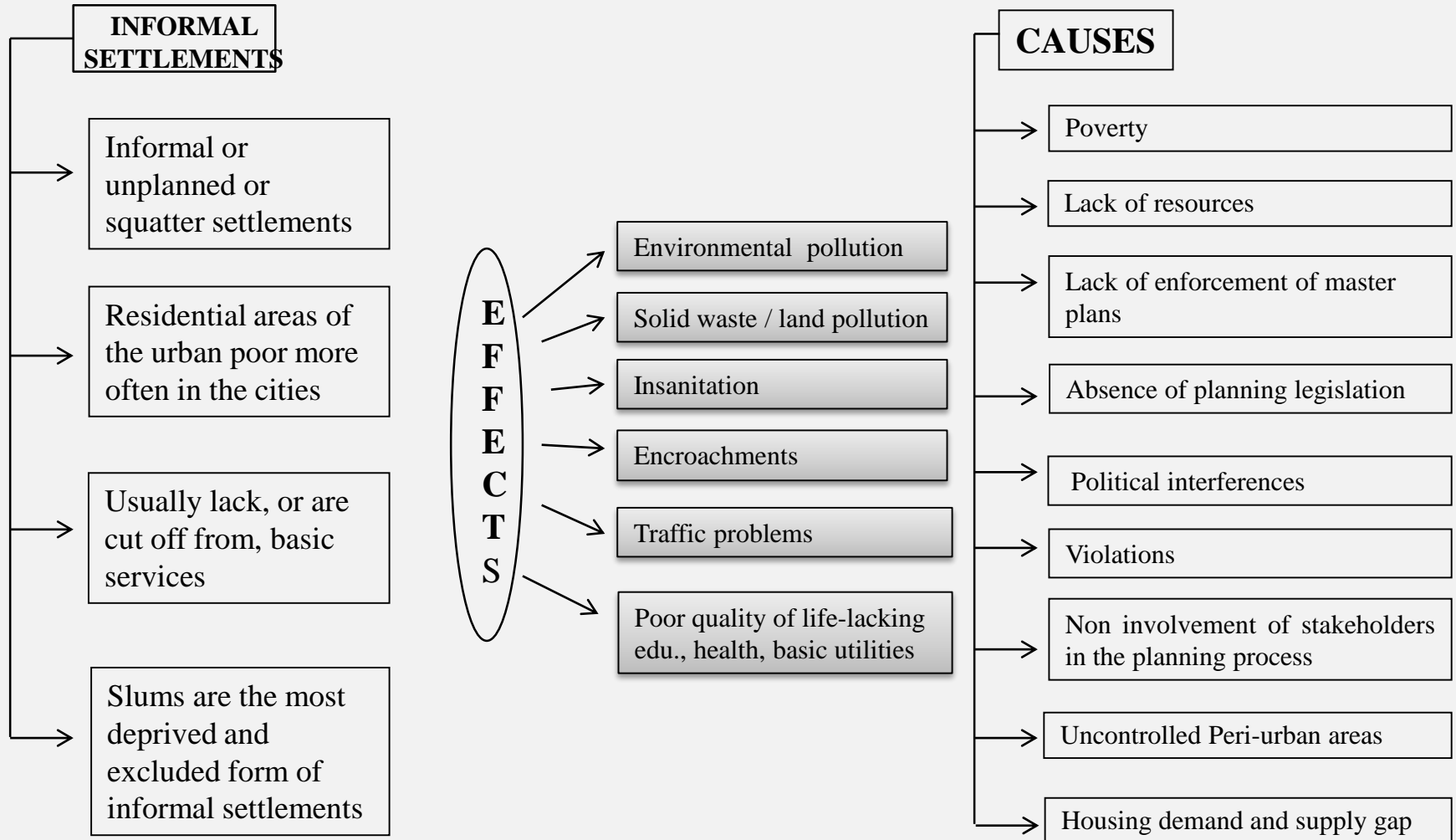
# LAY OUT OF PRESENTATION

---

1. INFORMAL SETTLEMENTS & SOCIAL INCLUSION
2. GROWTH OF PLANNING SCHOOLS IN INDIA
3. GURU RAMDAS SCHOOL OF PLANNING, GURU NANAK UNIVERSITY, AMRITSAR
4. UNDERGRADUATE COURSE AND INFORMAL SETTLEMENTS
5. INTERACTION: LEARNING AND FEEDBACK
6. CONCLUSIONS



# INFORMAL SETTLEMENTS



# SOCIAL INCLUSION

---

- SOCIAL INCLUSION MEANS PROVISION OF BASIC INFRASTRUCTURE (WATER SUPPLY, SEWERAGE, DRAINAGE, ELECTRICITY), ADEQUATE HOUSING, HEALTH FACILITIES, EDUCATION FACILITIES AND EMPLOYMENT.
  
- “SOCIAL INCLUSION ENSURES THAT PEOPLE HAVE A VOICE IN DECISIONS WHICH AFFECTS THEIR LIFE AND THAT THEY ENJOY EQUAL ACCESS TO MARKETS, SERVICES AND POLITICAL, SOCIAL AND PHYSICAL SPACES.” World Bank.



# LAY OUT OF PRESENTATION

---

1. INFORMAL SETTLEMENTS & SOCIAL INCLUSION
2. GROWTH OF PLANNING SCHOOLS IN INDIA
3. GURU RAMDAS SCHOOL OF PLANNING, GURU NANAK UNIVERSITY, AMRITSAR
4. UNDERGRADUATE COURSE AND INFORMAL SETTLEMENTS
5. INTERACTION: LEARNING AND FEEDBACK
6. CONCLUSIONS



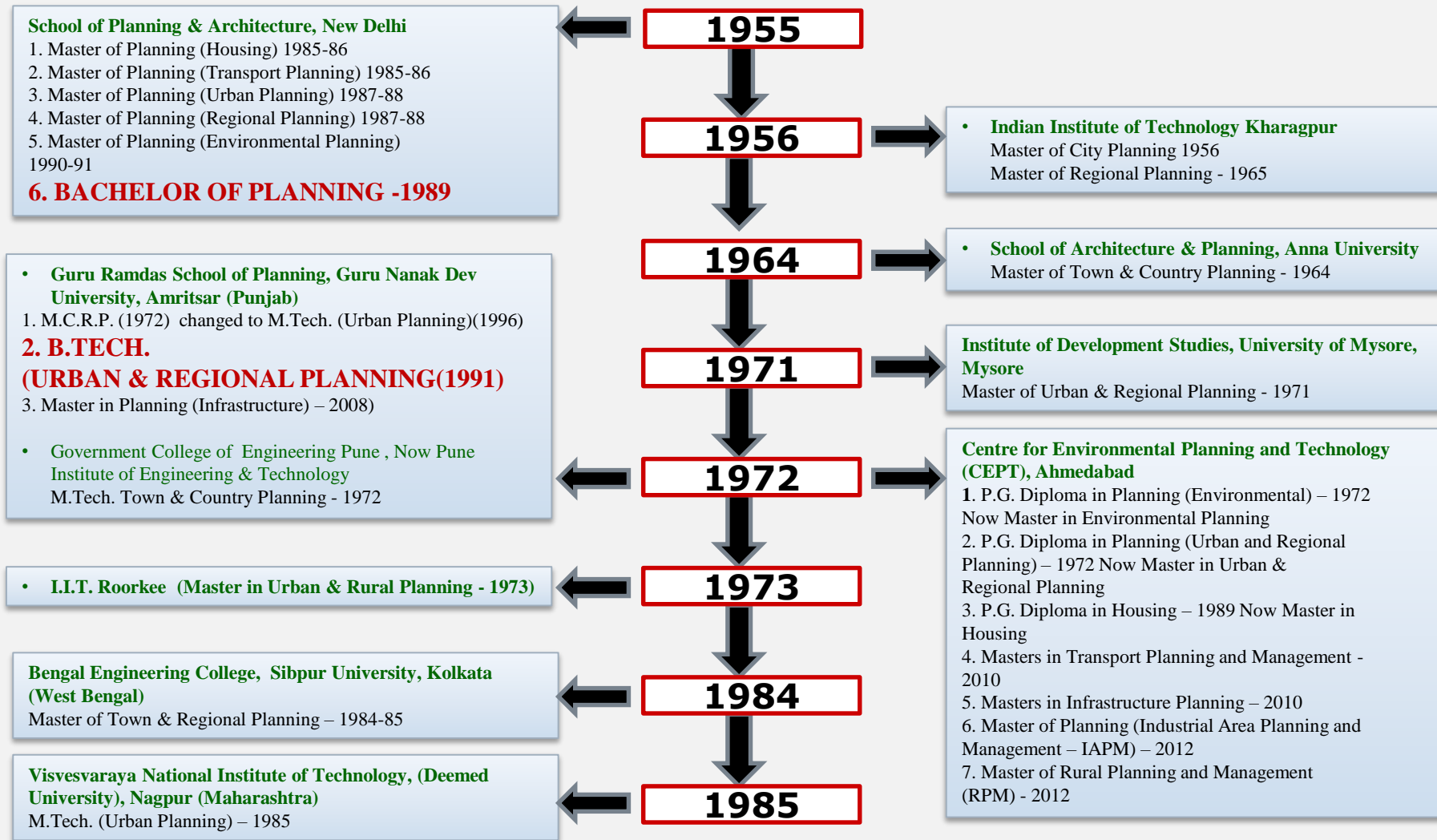
# A BEGINNING.....

---

- **THE SCHOOL OF PLANNING AND ARCHITECTURE DELHI HAD A MODEST BEGINNING IN 1941 AS A DEPARTMENT OF ARCHITECTURE OF DELHI POLYTECHNIC.**
- **LATER AFFILIATED TO THE UNIVERSITY OF DELHI AND INTEGRATED WITH THE SCHOOL OF TOWN AND COUNTRY PLANNING WHICH WAS ESTABLISHED IN 1955 BY THE GOVERNMENT OF INDIA TO PROVIDE FACILITIES FOR RURAL, URBAN AND REGIONAL PLANNING.**
- **RENAMED AS SCHOOL OF PLANNING AND ARCHITECTURE IN 1959.**
- **RECOGNIZING THE SPECIALIZED NATURE OF THE FIELDS IN WHICH THE SCHOOL HAD ATTAINED EMINENCE, IN 1979, THE GOVERNMENT OF INDIA, THROUGH THE THEN MINISTRY OF EDUCATION AND CULTURE, CONFERRED ON THE SCHOOL OF PLANNING AND ARCHITECTURE THE STATUS OF "DEEMED TO BE A UNIVERSITY".**
- **IT WAS RECOGNIZED AS "AN INSTITUTE OF NATIONAL IMPORTANCE UNDER AN ACT OF PARLIAMENT" IN 2015.**

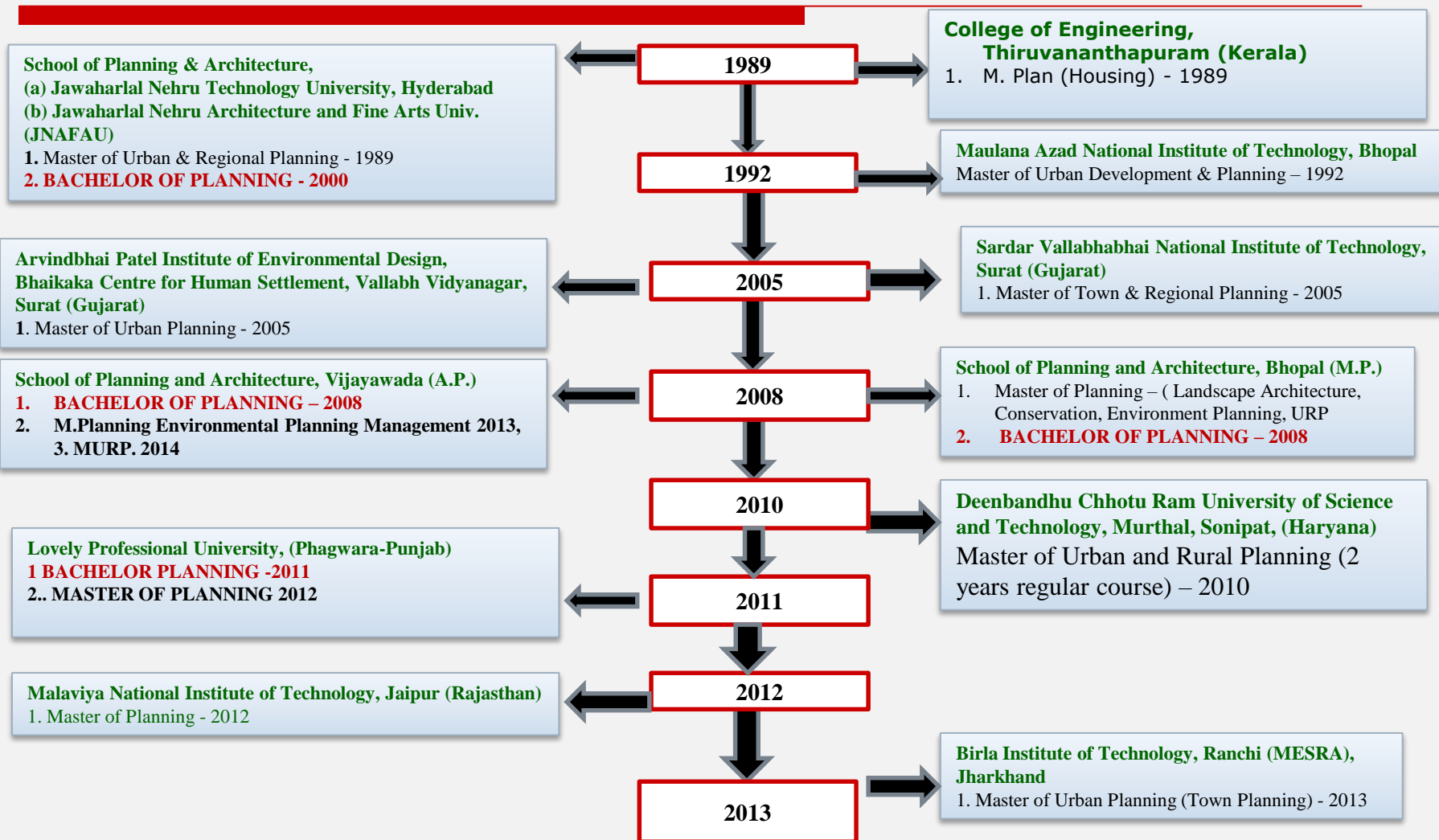


# PLANNING SCHOOLS: GROWTH





# PLANNING SCHOOLS.....



**ONLY SIX SCHOOLS ARE IMPARTING UNDER GRADUATION EDUCATION IN INDIA. NETWORKING OF ALL SCHOOLS IS NEED OF THE DAY.**



# LAY OUT OF PRESENTATION

---

1. INFORMAL SETTLEMENTS & SOCIAL INCLUSION
2. GROWTH OF PLANNING SCHOOLS IN INDIA
3. GURU RAMDAS SCHOOL OF PLANNING, GURU NANAK UNIVERSITY, AMRITSAR
4. UNDERGRADUATE COURSE AND INFORMAL SETTLEMENTS
5. INTERACTION: LEARNING AND FEEDBACK
6. CONCLUSIONS



# GURU RAMDAS SCHOOL OF PLANNING

---

- **Master of City and Regional Planning 1972** {seats 10+5 sponsored from field: Total 15 } (discontinued after 24 years in 1996)
- **B.Tech (Urban and Regional Planning) 1991** { Seats 40 AICTE} Second in India to start this course.
- **M.Tech (Urban Planning) 1996** { Seats 10+5 Sponsored+8 GATE pass : Total 23 }
- **Master of Planning (Infrastructure ) 2008** offered by University Grants Commission (UGC) under its Innovative Programmes Scheme {Seats 15+5 sponsored: Total 20 }
- **Ph.D Programme** students pursuing 11.



# RESEARCH AND CONSULTANCY

---

- City Development Plans
- Zonal Development Plans
- Regional and Block Development Plans
- Environment Improvement Programmes
- Transportation Studies and Solutions
- Infrastructure Planning and Management
- Planning and Design of Residential, Commercial and Other Areas
- Redevelopment, Conservation of Heritage and Urban Rehabilitations Studies
- Town Planning Capacity Building Programmes



# LAY OUT OF PRESENTATION

---

1. INFORMAL SETTLEMENTS & SOCIAL INCLUSION
2. GROWTH OF PLANNING SCHOOLS IN INDIA
3. GURU RAMDAS SCHOOL OF PLANNING, GURU NANAK UNIVERSITY, AMRITSAR
4. UNDERGRADUATE COURSE AND INFORMAL SETTLEMENTS
5. INTERACTION: LEARNING AND FEEDBACK
6. CONCLUSIONS



- 
- i. M.Tech (Urban Planning)
  - ii. Master of Planning (Infrastructure)
  - iii. B.Tech (Urban & Regional Planning)



# M.Tech (Urban Planning ) 2013-14

| Semester I  | Semester II  | Semester III   | Semester IV   |
|---|--|--|---|
| <p>1. History of Urban Planning Thought</p> <p>2. Principles and techniques of Urban Planning</p> <p>3. Urban Transportation Planning</p> <p>4. Computer Applications and Computer aided designs</p> <p><b>Planning Practice:</b></p> <p>1. Survey and Presentation Technique</p> | <p>1. Urban Planning Legislation</p> <p>2. Urban economics and Real estate</p> <p>3. Urban Planning Information System</p> <p><b>Elective</b></p> <p>1. Urban Landscape Planning and Design</p> <p>2. Planning for Urban Utilities</p> <p>3. Basics of Architecture and Building Construction</p> <p>4. Urban Design and Conservation</p> <p><b>Planning Practice II :</b></p> <p>1. Master Plan</p> <p>Internship (6 Weeks_</p> | <p>1. Urban housing and community development</p> <p>2. Urban project management</p> <p>3. Planning research and Models</p> <p><b>Elective</b></p> <p>1. Metropolitan Planning and Development</p> <p>2. Urban Governance</p> <p>3. Urban Environment Planning and Management</p> <p>4. Planning for Informal Sector</p> <p><b>Planning Practice:</b></p> <p>1. Site Planning of an urban area</p> <p>2. Preparation of a DPR</p> <p><b>Educational Tour</b></p> | <p><b>1. Thesis</b></p> <p><b>*Student may opt a credit based undergraduate course from any Department of the University.</b></p> |



# B.Tech (Urban and Regional Planning)

## Semester I

| 1998-99  | 2009-10   | 2013-14   |
|--|---|---|
| 1. History of Human Settlements-I<br>2. Elements of Geography<br>3. Architectural Design-I<br>4. Visual and Technical Drawing-I<br>5. Building Materials and Construction-I<br><b>Planning Practice:</b><br>Local visit and Report Writing-I | 1. Introduction to Urban & Regional Planning<br>2. Techniques of Planning<br>3. Social & Demographic Considerations in Planning<br>4. Building Materials<br>5. Architecture & Design*<br>Punjabi - I / Punjab History & Culture – I<br><b>Planning Practice:</b><br>Map Reading & Scales (8 weeks)<br>Preparation of Maps (8 weeks) | <b>Core:</b><br><b>1.Fundamentals of Urban and Regional Planning</b><br><b>2.Techniques of Planning</b><br><b>3.Social and Demographic Considerations in Planning</b><br>4.Elementary Architectural Design<br>5.Punjabi Compulsory/Basic Punjabi<br>6.Communicative English-1<br><b>Planning Practice:</b><br><b>1.Map Préparation</b><br><b>2.Map Graphics</b> |

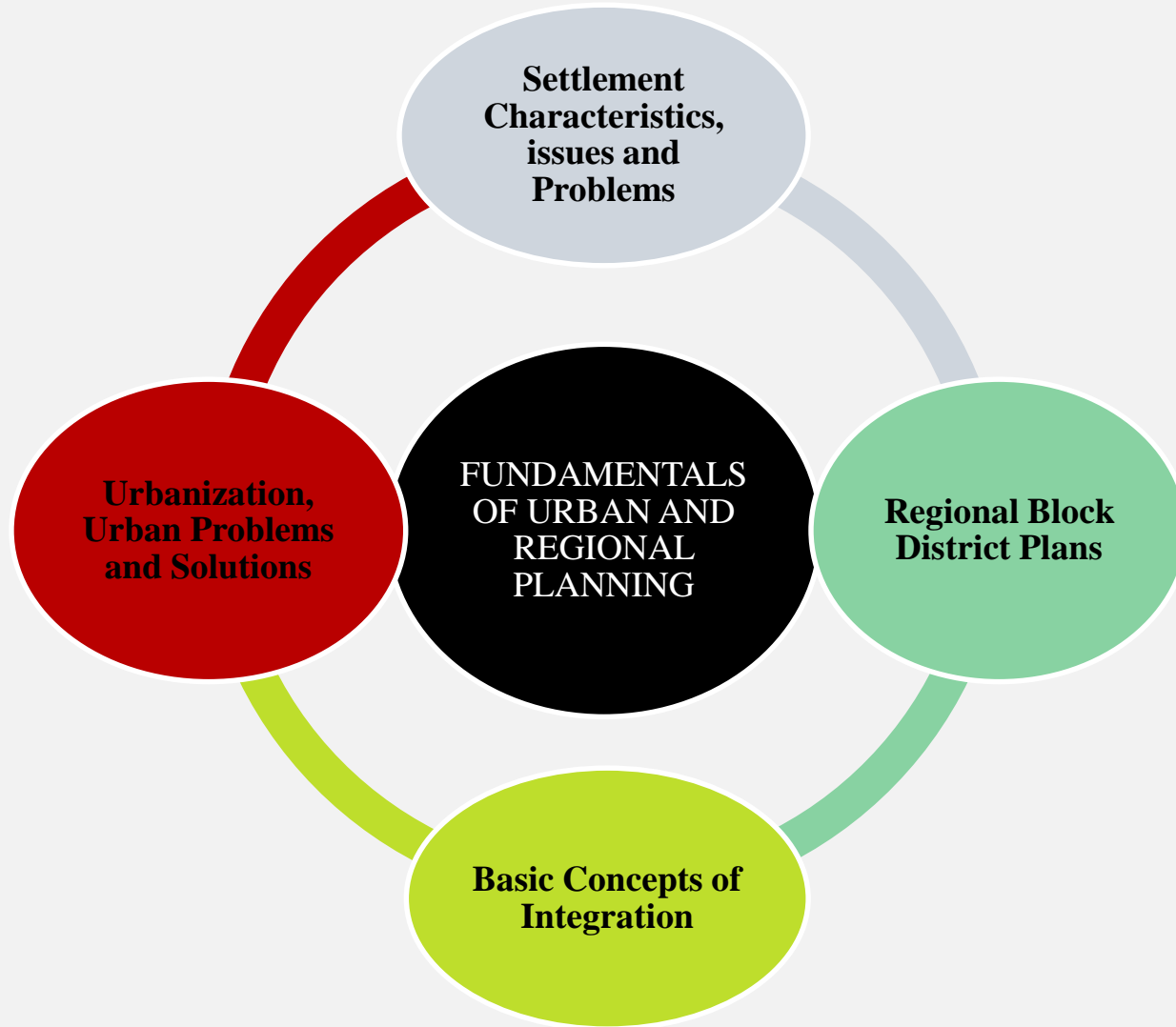
**Remarks:** Keeping the feedback from field, teaching,, students and experts necessary additions and alteration made from time to time. Theory papers reshuffled to link with planning studio





# FUNDAMENTALS OF URBAN AND REGIONAL PLANNING

---



---

**TECHNIQUES  
OF  
PLANNING**

Survey techniques

**SOCIAL AND  
DEMOGRAPHIC  
CONSIDERATION  
S IN PLANNING**

Social components of Settlements

Planning Norms & Standards

Basic concepts of sociology and demography



# PLANNING STUDIO

---

## Map Preparation

- **Elements**
- **Components**
- **Presentation**

## Map Graphics

- **Techniques of Presentation**



# ADOPTING LATEST TECHNOLOGY

---



# Semester II

| 1998-99  | 2009-10  | 2013-14  |
|--|--|--|
| <ol style="list-style-type: none"> <li>1. History of Human Settlement-II</li> <li>2. Elements of Geology</li> <li>3. Architectural Design-II</li> <li>4. Visual and Technical Drawing -II</li> <li>5. Building Materials and Construction-II</li> </ol> <p><b>Planning Practice</b></p> <ol style="list-style-type: none"> <li>1. Local Visit and Report Writing-II</li> </ol> | <ol style="list-style-type: none"> <li>1. Principles of Planning</li> <li>2. Geographical Considerations in Planning</li> <li>3. History of Human Settlements – I</li> <li>4. Building Structure &amp; Construction</li> <li>5. Computer Basics &amp; Applications</li> <li>6. Punjabi - II / Punjab History &amp; Culture – II</li> <li>7. Communicative English – II</li> </ol> <p><b>Planning Practice:</b></p> <ol style="list-style-type: none"> <li>1. Visual &amp; Technical Drawing (6 weeks)</li> <li>2. Survey of a Locality (10 weeks)</li> </ol> | <p><b>Core:</b></p> <ol style="list-style-type: none"> <li>1. <b>Principles of Planning</b></li> <li>2. <b>Evolution of Human Settlements</b></li> <li>3. Elements of Buildings</li> <li>4. Geographical considerations in Planning</li> <li>5. Punjabi Compulsory/ Basic Punjabi - 2</li> <li>6. Communicative English -2</li> </ol> <p><b>Planning Practice:</b></p> <ol style="list-style-type: none"> <li>1. <b>Survey of Locality</b></li> <li>2. <b>Computer Aided Design (CAD)</b></li> </ol> |

**REMARKS:** For deep understanding of informal areas, survey of locality was introduced in 2<sup>nd</sup> semester in 2009-10 and CAD introduced to help to digitize map of the locality under study.



---

**PRINCIPLES  
OF  
PLANNING**

Planning Approaches

Principle concept of  
city planning  
Norms and  
Standards

**EVOLUTION OF  
HUMAN  
SETTLEMENTS**

History of growth  
and development of  
settlements

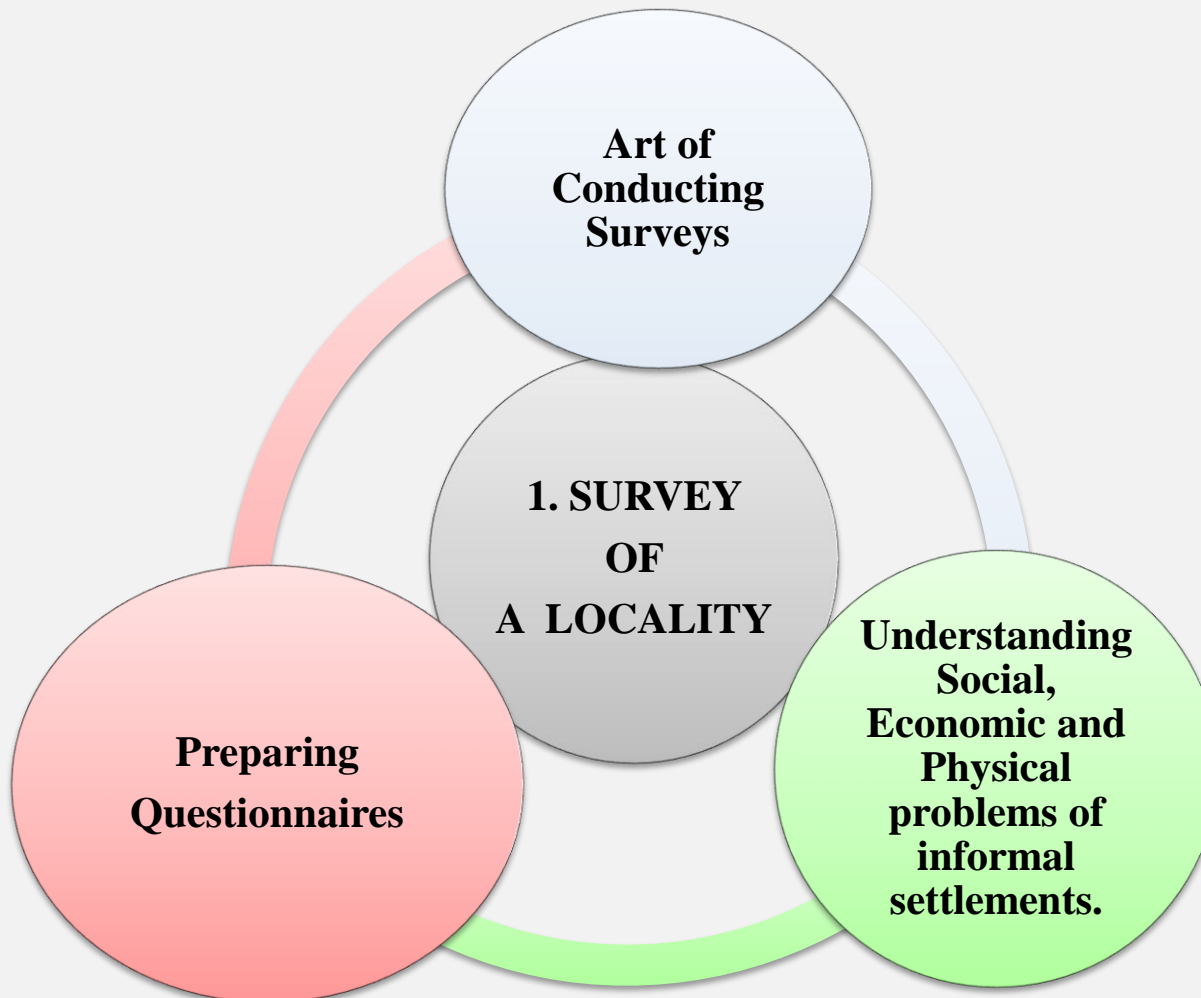
Form and structure  
of settlements

**Geographical Considerations in Planning** - Relevance of Geographic considerations in settlements.



# PLANNING STUDIO 1 and 2

---



**2. Computer Aided Design: To train for preparing base maps**

---



# Semester III

| 1998-99  | 2009-10   | 2013-14  |
|--|---|--|
| 1. Techniques of Planning-I<br>2. Elements of Statistics<br>3. Computer Application-I<br>4. Surveying-I<br>5. Elements of Structure Design<br><b>Planning Practice:</b><br>1. Survey of Locality | 1. Housing<br>2. Traffic Engineering & Planning<br>3. History of Human Settlements - II<br>4. Planning for Utilities<br>5. Surveying - I*<br>6. Environmental Studies<br><b>Planning Practice:</b><br>1. Computer Aided Design (6 weeks)<br>2. Residential Site Planning (10 weeks) | <b>Core:</b><br>1. <b>Housing</b><br>2. <b>Transportation Planning –I</b><br>3. <b>Planning for physical infrastructure</b><br>4. <b>Landscape Planning</b><br>5. Environmental Studies<br><b>Planning Practice:</b><br>1. <b>Site Planning :I</b><br><b>(Neighborhood planning and cluster design)</b><br><br>*Student may opt a credit based undergraduate course from any department of university. |

**Remarks:** For rehabilitation of slum dwellers, training of planning of residential areas made part of studio. Housing is kept in 3<sup>rd</sup> sem to understand the informal housing linking with studio.





---

## HOUSING

- Housing Typology
- Concepts of Residential areas and slums

## TRANSPORTATION PLANNING -I

- Traffic Characteristics
- Traffic Surveys
- Traffic controls and Regulations

## PLANNING FOR PHYSICAL INFRASTRUCTURE

- Basic infrastructure in Settlements

## LANDSCAPE PLANNING

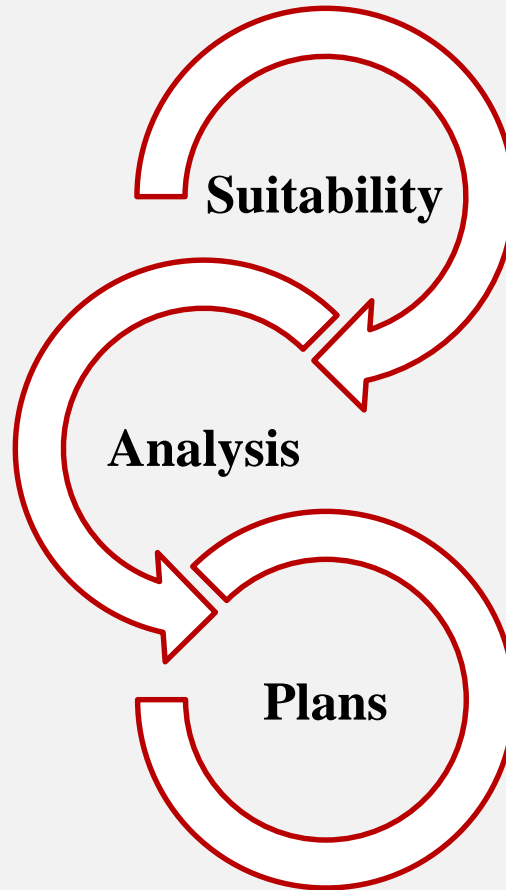
- Landscape components
- Relevance in informal and formal settlements



# PLANNING STUDIO

---

## SITE PLANNING (Neighbourhood planning and cluster design)

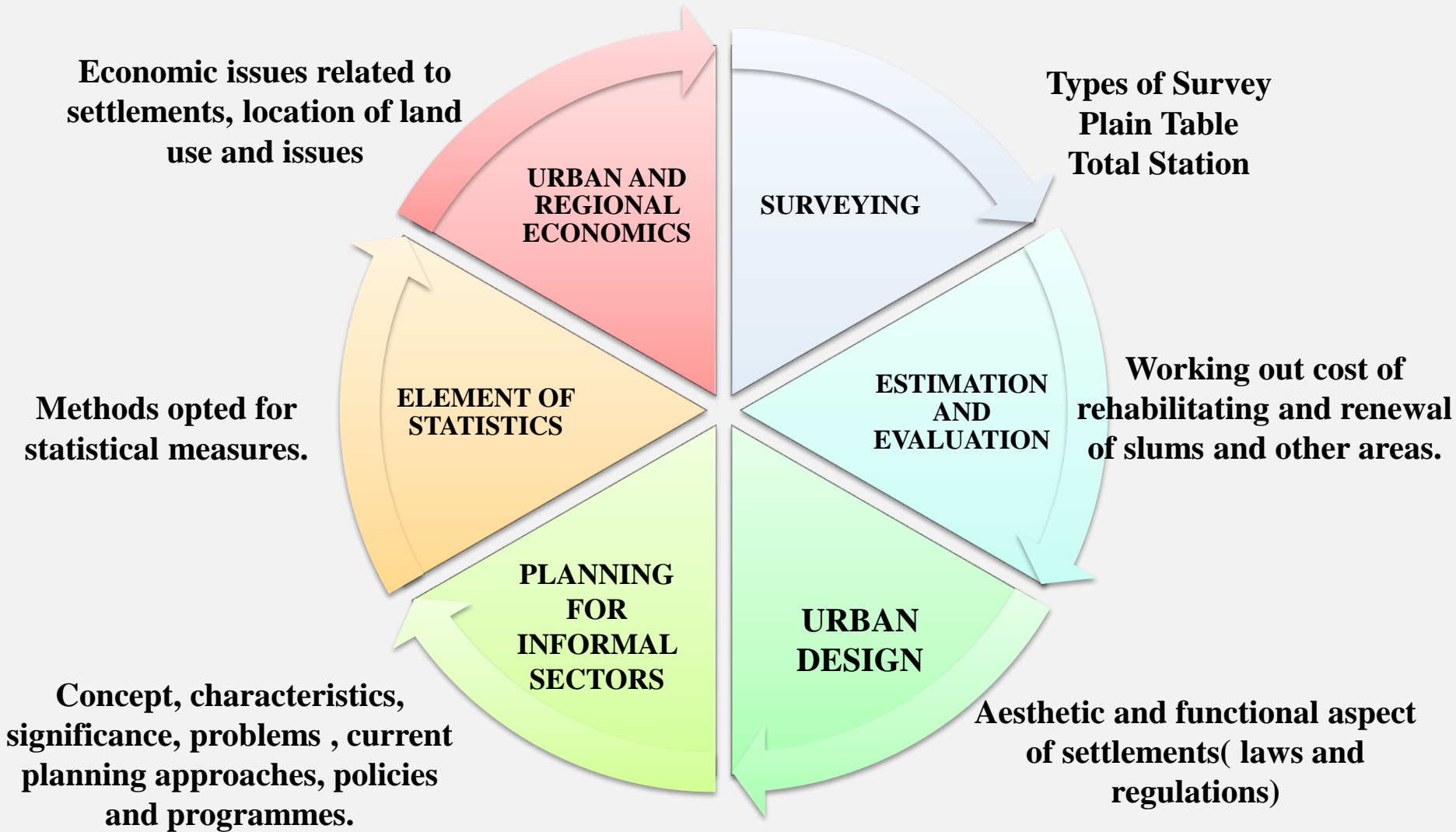


# Semester IV

| 1998-99  | 2009-10   | 2013-14  |
|--|---|--|
| <ol style="list-style-type: none"> <li>1. Techniques of Planning-II</li> <li>2. Elements of Economics</li> <li>3. Computer Applications-II</li> <li>4. Surveying-II</li> <li>5. Model Making</li> <li>6. Photography</li> </ol> <p><b>Planning Practice:</b></p> <ol style="list-style-type: none"> <li>1. Study of An Area Redevelopment</li> </ol> | <ol style="list-style-type: none"> <li>1. Landscape Planning &amp; Design</li> <li>2. Urban &amp; Regional Economics</li> <li>3. Plan Preparation &amp; Implementation</li> <li>4. Estimation &amp; Valuation</li> <li>5. Surveying - II*</li> </ol> <p><b>Planning Practice:</b></p> <ol style="list-style-type: none"> <li>1. Planning of Non-Residential Area (9 weeks)</li> <li>2. Applications of GIS (7 weeks)</li> </ol> | <ol style="list-style-type: none"> <li><b>1. Urban and Regional Economics</b></li> <li><b>2. Urban Design</b></li> <li><b>3. Surveying</b></li> </ol> <p>Elective:</p> <ol style="list-style-type: none"> <li><b>1. Element of Statistics</b></li> <li><b>2. Estimation and Evaluation</b></li> <li><b>3. Planning for Informal Sector</b></li> </ol> <p><b>Planning Practice:</b></p> <ol style="list-style-type: none"> <li><b>1. Site Planning - 2</b></li> </ol> |

**Remarks:** In Planning Studio Training For Non Residential Sites Covered. Informal sector here refers to informal activities in settlements.





# Semester V

| 1998-99   | 2009-10  | 2013-14   |
|---|--|---|
| <ol style="list-style-type: none"> <li>1. Principles of Planning-I</li> <li>2. Planning for Utilities</li> <li>3. Landscape Design</li> <li>4. Elements of Sociology and Demography</li> <li>5. Environmental Science</li> </ol> <p><b>Planning Practice</b></p> <ol style="list-style-type: none"> <li>1. Neighbourhood and Cluster Planning</li> <li>2. Redevelopment of An Area</li> </ol> | <p>Rural Settlement Planning &amp; Development</p> <p>Planning Legislation</p> <p>Ecology &amp; Environmental Planning</p> <p>Urban Design</p> <p><b>Planning Practice:</b></p> <p>Study of a Town (9 weeks)</p> <p>Preparation of Town Development Plan (7 weeks)</p> | <p><b>Core:</b></p> <ol style="list-style-type: none"> <li>1. <b>Planning for Conservation</b></li> <li>2. <b>Aerial Photography &amp; Remote Sensing</b></li> <li>3. <b>Transportation Planning – II</b></li> </ol> <p>Elective:</p> <ol style="list-style-type: none"> <li>1. Planning for Mega Projects</li> <li>2. <b>Planning for Tourism</b></li> <li>3. Real Estate Management</li> </ol> <p><b>Planning Practice:</b></p> <p><b>Planning Studio – V (GIS &amp; Urban Study)</b></p> |
|   |  | <b>Educational Tour – I</b>   |

**Remarks:** Aerial Photography & Remote sensing to train for understanding and interpretation of areas and land-uses of settlements. Conservation introduces in this semester to link with urban study.

Education tour to practically take students to different towns and cities



---

Basic concepts of redevelopment renewal and conservation.  
Historic informal settlements  
Study and integrating conservation in urban planning process.

**PLANNING FOR CONSERVATION**

**AERIAL PHOTOGRAPHY & REMOTE SENSING**

Basic concepts  
Satellite imagery  
Image interpretation and analysis  
Application in land use studies.

**PLANNING FOR TOURISM**

**Transportation Planning – II**

Urban transport system and urban structure.  
Multi modal transport system  
Norms standards



# PLANNING STUDIO

---

GIS

Digitization

Study  
of a  
Town

Importance of  
comprehensive  
planning process,  
understanding  
Problems of Informal  
Areas

Preparation of  
Maps

Development  
perspective of the  
city in holistic  
manner



# Semester VI

| 1998-99   | 2009-10   | 2013-14  |
|---|---|--|
| <ol style="list-style-type: none"> <li>Principles of Planning-II</li> <li>Housing</li> <li>Traffic and Transportation Planning</li> <li>Urban and Regional Economics</li> <li>Environmental Planning</li> </ol> <p><b>Planning Practice:</b></p> <ol style="list-style-type: none"> <li>Design of a District Centre</li> <li>Study of a Town</li> <li>Internship</li> </ol> | <ol style="list-style-type: none"> <li>Urban &amp; Regional Transportation Planning</li> <li>Planning for Rural Infrastructure</li> <li>Project Formulation, Monitoring &amp; Evaluation</li> <li>Planning for Special Areas</li> </ol> <p><b>Planning Practice:</b></p> <ol style="list-style-type: none"> <li>Preparation of Zonal Development Plan (6 weeks)</li> <li>Preparation of Urban Development Project (10 weeks)</li> </ol> | <p><b>Core:</b></p> <ol style="list-style-type: none"> <li>Planning Legislation</li> <li>Metropolitan Planning &amp; Development</li> <li>Rural Settlement Planning &amp; Development</li> </ol> <p>Elective:</p> <ol style="list-style-type: none"> <li>Planning for Socio-Economic Infrastructure</li> <li>Disaster Management</li> <li>Planning for Special Areas</li> </ol> <p><b>Planning Practice:</b></p> <ol style="list-style-type: none"> <li>Planning Studio – VI (Master Plan &amp; Regional Study)</li> </ol> |
|   |   | Internship ( 4-5 Weeks)  |

**REMARKS:** Socio economic infrastructure is a specific paper for informal settlements.





---

Legislation related to urban planning and development of settlements

**PLANNING LEGISLATION**

Planning measures, techniques for migratory population. Issues and problems.

**METROPOLITAN PLANNING AND DEVELOPMENT**

Disaster management methods/techniques in settlements

**DISASTER MANAGEMENT**

**PLANNING FOR SOCIO-ECONOMIC INFRASTRUCTURE**

Relevance of infrastructure in settlements; master plan, slums, etc.



# PLANNING STUDIO

---

**Master Plan  
Comprehensive  
perspective for future  
planned growth.**

**Regional Study  
Comprehensive study of  
regional aspects (Block  
level )**

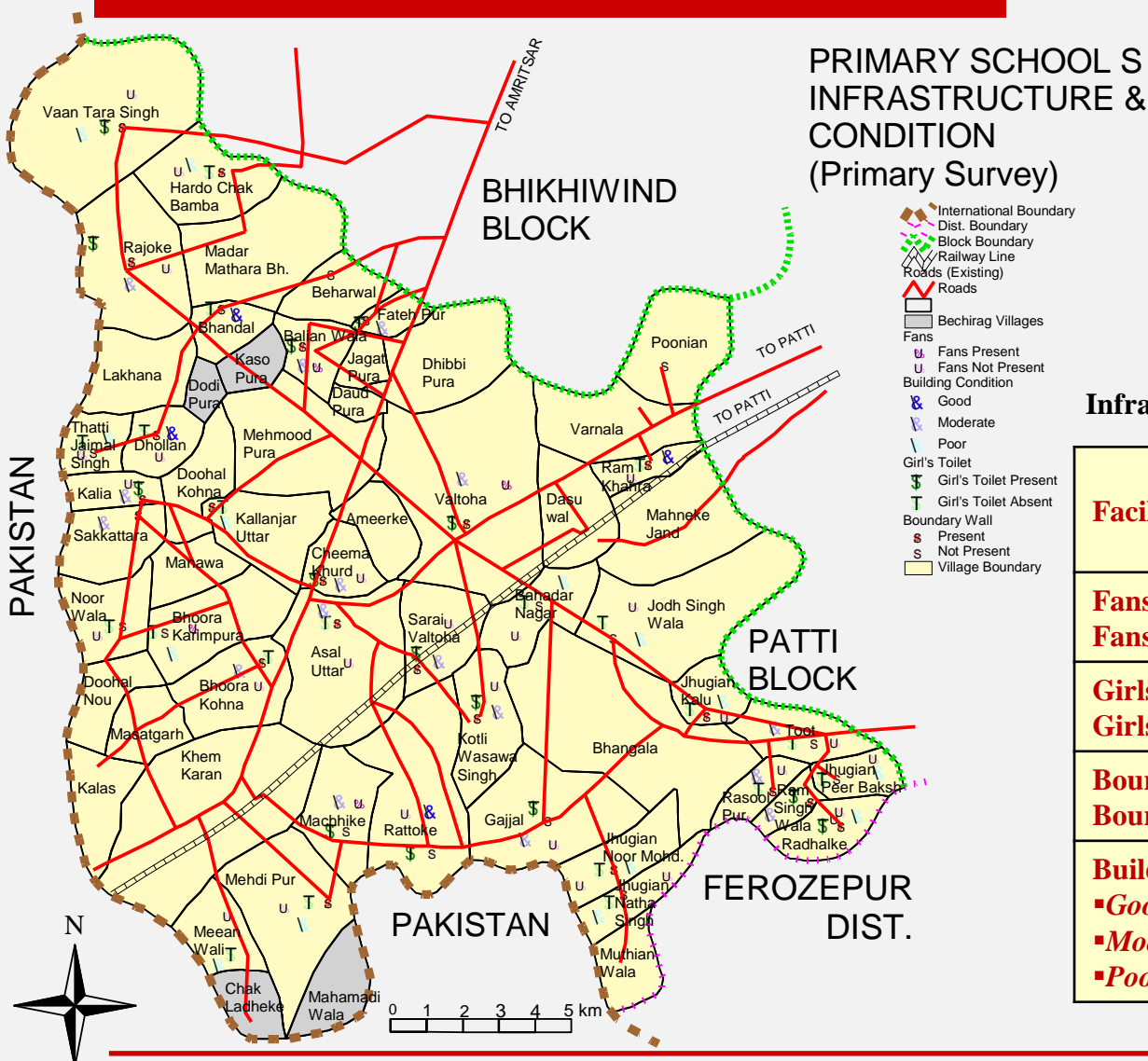
**EXAMPLE OF COMPREHENSIVE BLOCK PLAN IS SHOWN TO UNDERSTAND NEED TO EMPHASIZE ON SOCIAL INCLUSION TO CHECK UNNECESSARY MIGRATION**

---





# PRIMARY SCHOOLS:INFRASTRUCTURE SCENARIO



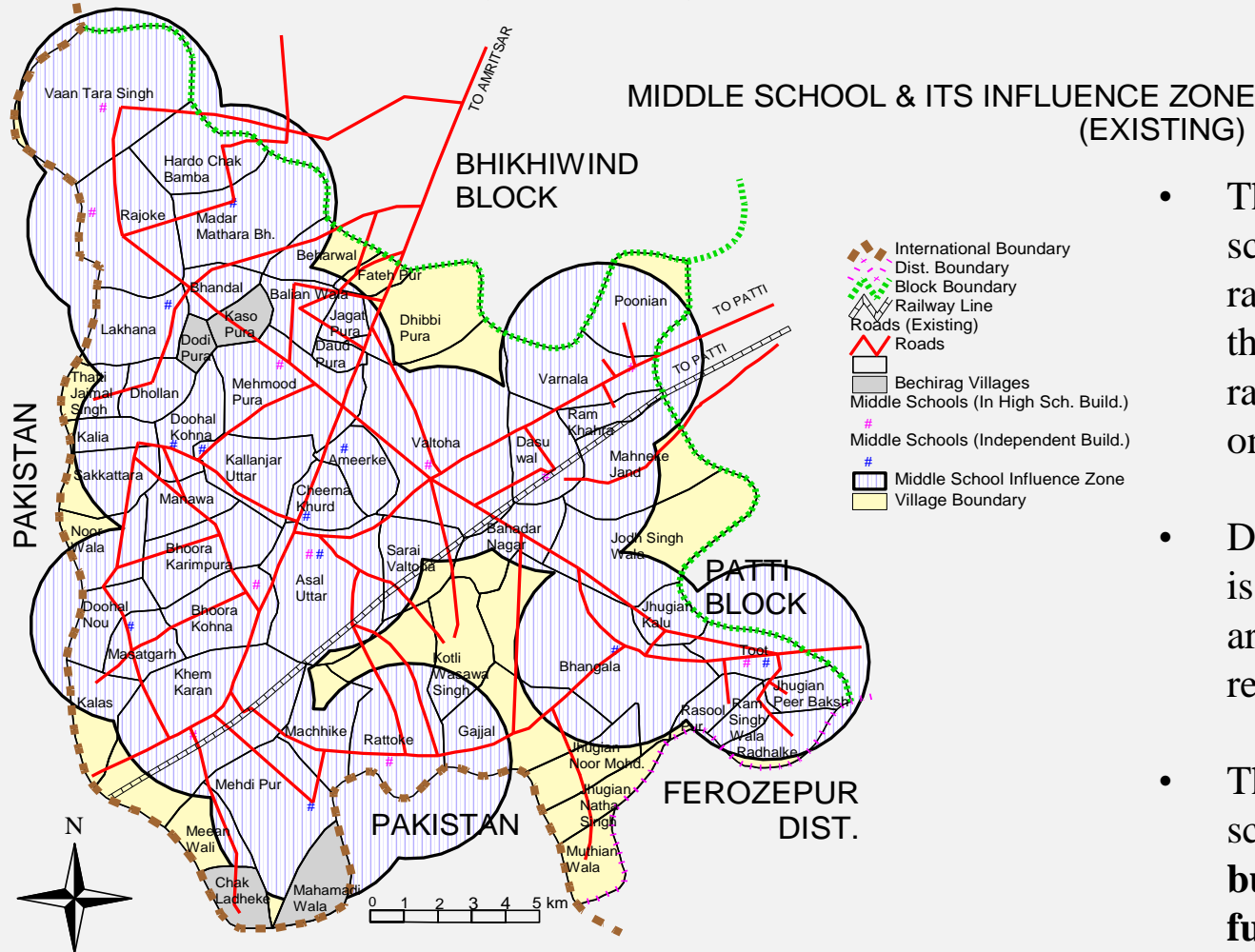
**Infrastructure Situation in Primary Schools**

| Facilities                | No. of Primary Schools | %age |
|---------------------------|------------------------|------|
| Fans present              | 4                      | 12.1 |
| Fans not present          | 29                     | 87.9 |
| Girls Toilet Present      | 15                     | 45.5 |
| Girls Toilet not present  | 18                     | 54.5 |
| Boundary Wall Present     | 22                     | 66.6 |
| Boundary Wall not present | 11                     | 33.4 |
| Building Condition        | 5                      | 15.1 |
| ▪Good                     | 15                     | 45.5 |
| ▪Moderate                 | 13                     | 39.4 |
| ▪Poor                     |                        |      |



# SOCIAL SECTOR (EDUCATION): MIDDLE

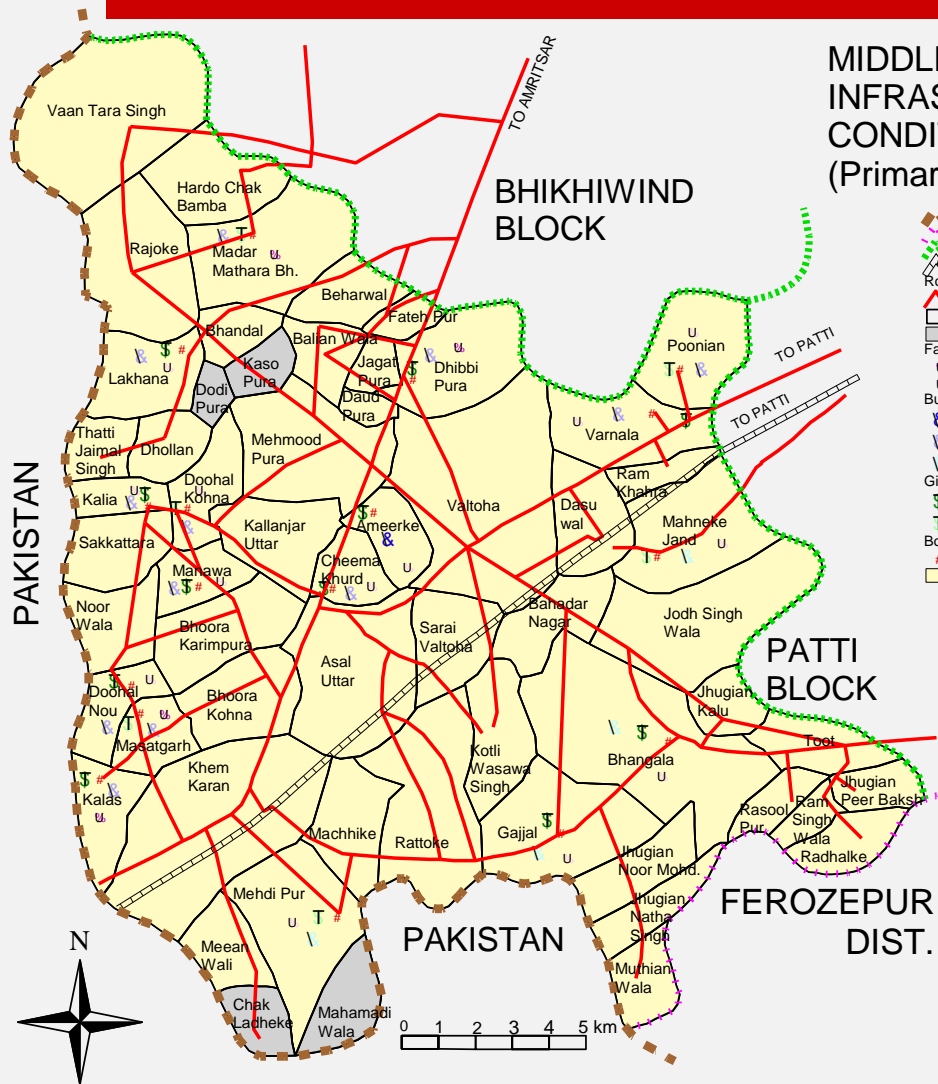
## MIDDLE SCHOOLS (EXISTING)



- The standard for middle schools influence zone is 6 km radius, but considering it more the school influence zone radius shown in the map is only 3 km.
- Distribution of middle schools is not uniform and certain areas (as shown in map) remain unserved.
- The major problems in middle school is lack of **teachers, building, blackboards and furniture**



# MIDDLE SCHOOLS :INFRASTRUCTURE SCENARIO



**MIDDLE SCHOOLS INFRASTRUCTURE & CONDITION (Primary Survey)**

**Infrastructure Situation in Middle Schools**

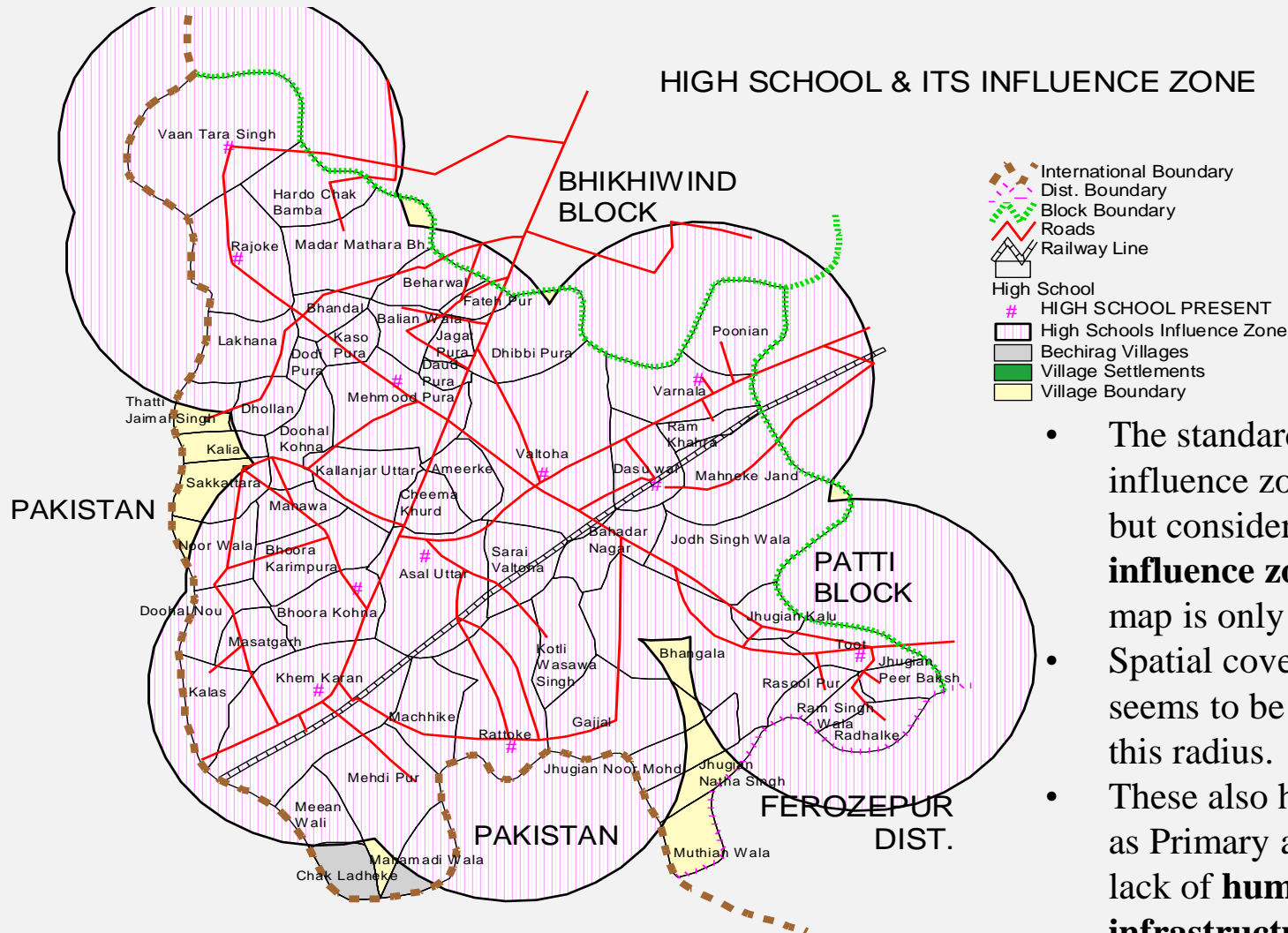
| Facilities                       | No. of Middle School | %age        |
|----------------------------------|----------------------|-------------|
| <b>Fans present</b>              | <b>4</b>             | <b>23.5</b> |
| <b>Fans not present</b>          | <b>13</b>            | <b>76.5</b> |
| <b>Girls Toilet Present</b>      | <b>11</b>            | <b>64.7</b> |
| <b>Girls Toilet not present</b>  | <b>6</b>             | <b>35.3</b> |
| <b>Boundary Wall Present</b>     | <b>17</b>            | <b>100</b>  |
| <b>Boundary Wall not present</b> | <b>-</b>             | <b>-</b>    |
| <b>Building Condition</b>        |                      |             |
| ▪ <b>Good</b>                    | <b>12</b>            | <b>70.5</b> |
| ▪ <b>Moderate</b>                | <b>4</b>             | <b>23.5</b> |
| ▪ <b>Poor</b>                    |                      |             |

Source : Primary survey June-July, 2007



# HIGH/HIGHER SECONDARY SCHOOLS

## HIGH SCHOOL & ITS INFLUENCE ZONE

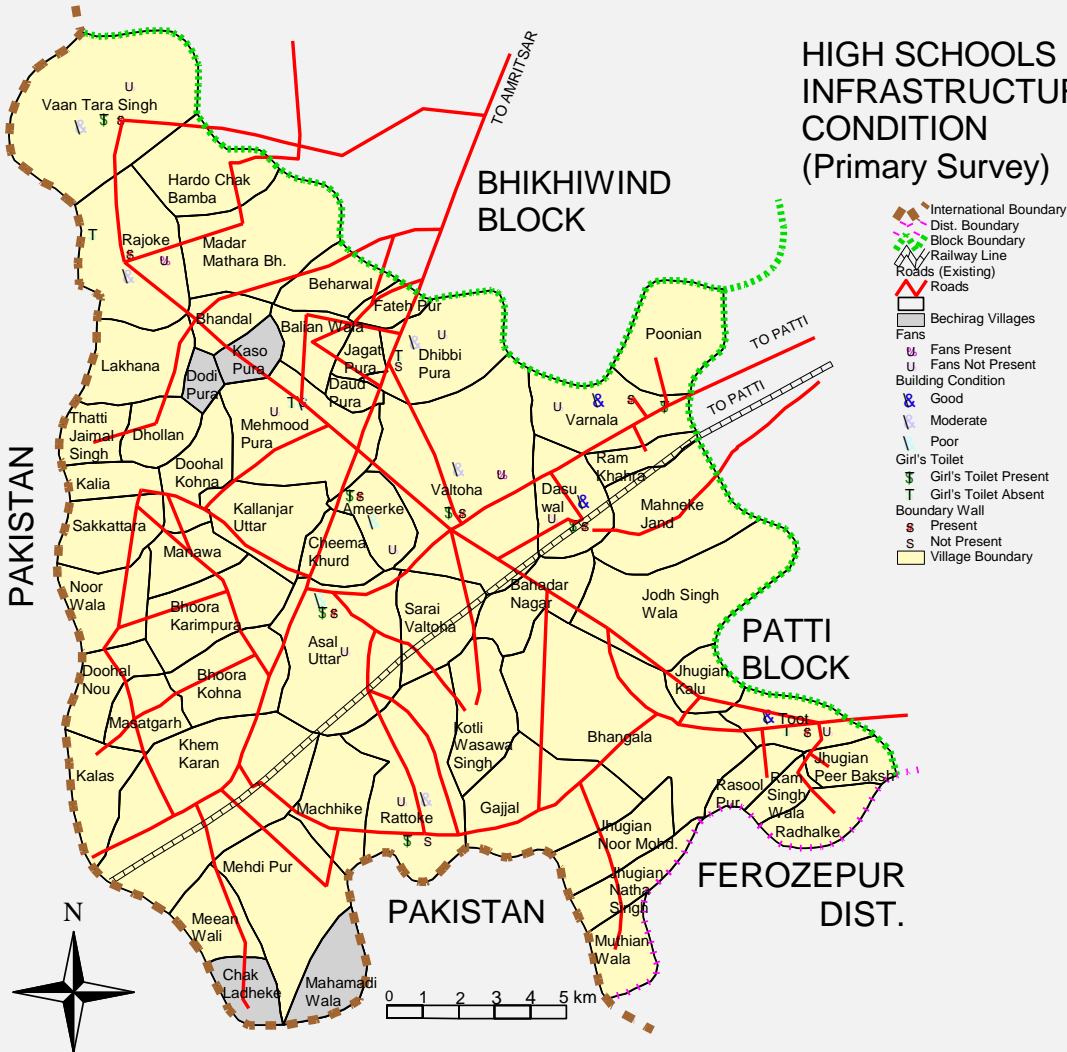


- The standard for high school influence zone is 6 to 8 km radius, but considering it more, the **school influence zone radius** shown in the map is only **5 km**.
- Spatial coverage of High Schools seems to be impressive even with this radius.
- These also have the same **problems** as Primary and Middle Schools ,i.e., lack of **human resource and infrastructure**.



# HIGH/HS SCHOOLS: (INFRASTRUCTURE SCENERIO)

## HIGH SCHOOLS INFRASTRUCTURE & CONDITION (Primary Survey)



### Infrastructure Situation in High Schools

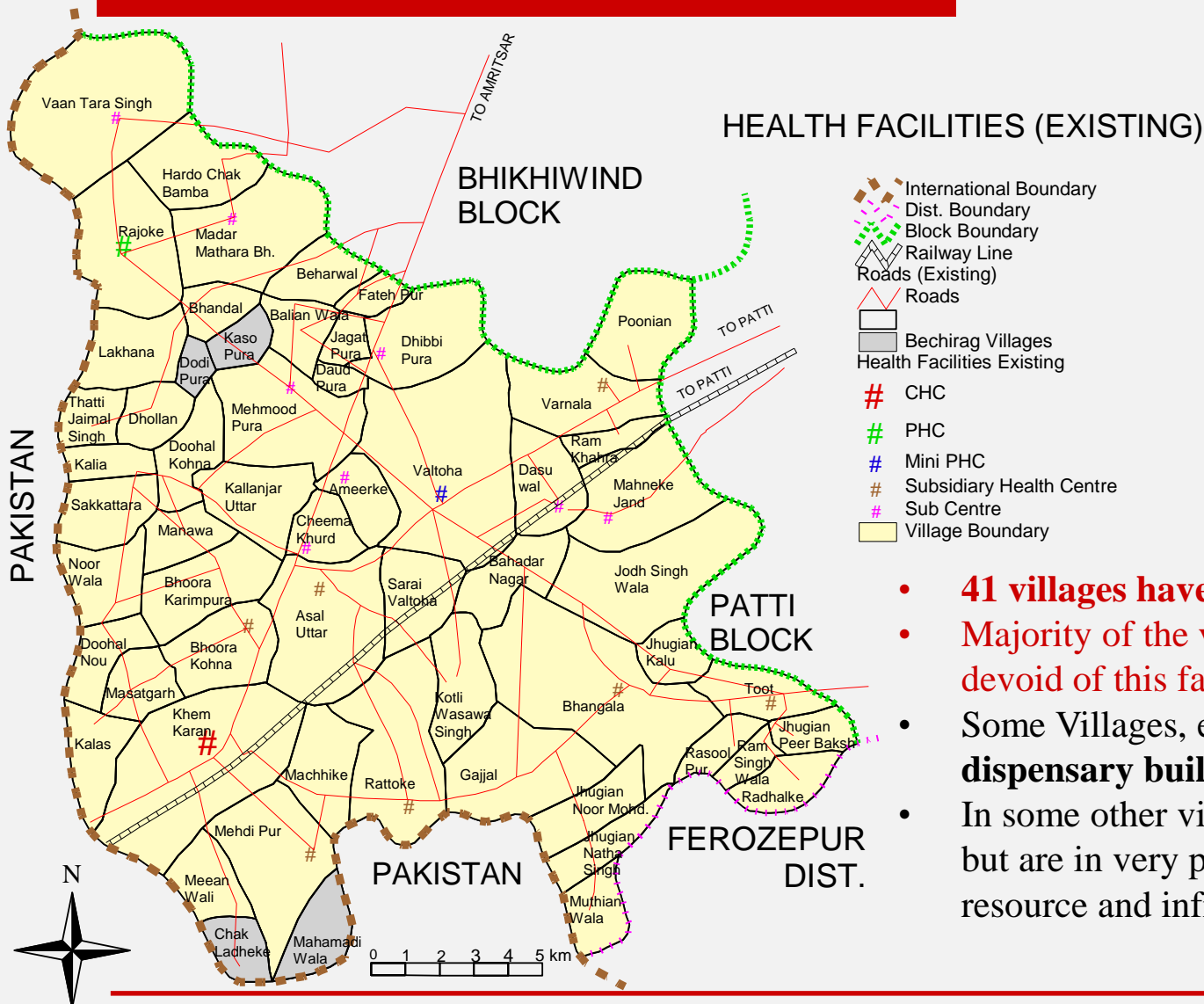
| Facilities                | No. of High Schools | % age |
|---------------------------|---------------------|-------|
| Fans present              | 2                   | 18.0  |
| Fans not present          | 9                   | 82.0  |
| Girls Toilet Present      | 7                   | 63.6  |
| Girls Toilet not present  | 4                   | 36.4  |
| Boundary Wall Present     | 8                   | 72.75 |
| Boundary Wall not present | 3                   | 27.25 |
| Building Condition        |                     |       |
| ▪ Good                    | 5                   | 45.5  |
| ▪ Moderate                | 3                   | 27.25 |
| ▪ Poor                    |                     |       |

Source : Primary survey June-July, 2007





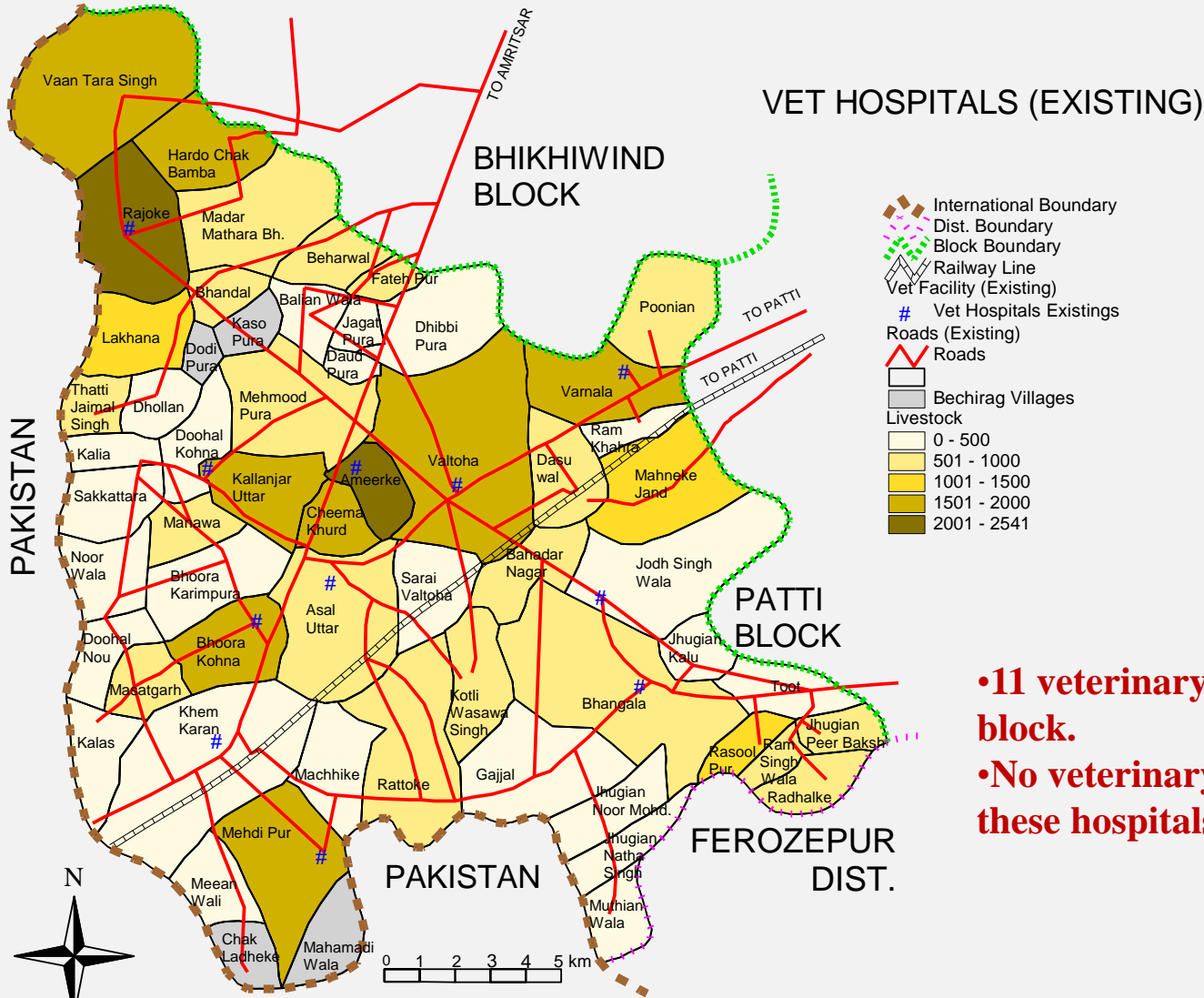
# HEALTH FACILITIES (EXISTING)



- **41 villages have no Health Sub Centre.**
- **Majority of the villages along border are devoid of this facility.**
- **Some Villages, e.g., Daud Pura has good dispensary building but no doctors.**
- **In some other villages dispensaries exist but are in very poor conditions, and human resource and infrastructure is missing.**



# VETERINARY FACILITIES



**•11 veterinary hospitals exists in the block.**  
**•No veterinary doctor is present in these hospitals.**



# Semester VII

| 1998-99   | 2009-10   | 2013-14  |
|---|---|--|
| <ol style="list-style-type: none"> <li>1. Regional Planning</li> <li>2. Specifications Estimation and Valuation</li> <li>3. Project Formulation Monitoring and Evaluation</li> <li>4. Professional Practice</li> <li>5. Public Finance</li> </ol> <p><b>Planning Practice</b></p> <ol style="list-style-type: none"> <li>1. Town Development Plan</li> <li>2. Regional Study</li> <li>3. Regional Plan</li> </ol> | <ol style="list-style-type: none"> <li>1. Planning for Conservation &amp; Redevelopment</li> <li>2. Regional Planning</li> <li>3. Professional Practice</li> </ol> <p><b>Planning Practice:</b></p> <ol style="list-style-type: none"> <li>1. Preparation of a Regional Plan (10 weeks)</li> <li>2. Preparation of a Village Plan (6 weeks)</li> <li>3. Planning Project Preliminaries</li> </ol> | <p>Core:</p> <ol style="list-style-type: none"> <li>1. Regional Planning</li> <li><b>2. Environment Planning &amp; Management</b></li> <li>3. Project Formulation, Monitoring &amp; Evaluation</li> </ol> <p>Elective:</p> <ol style="list-style-type: none"> <li><b>1. Professional Practice</b></li> <li><b>2. Community Development and Public Participation</b></li> <li><b>3. Development Policies and Strategies</b></li> </ol> <p><b>Planning Practice:</b></p> <p><b>Planning Studio-VII (Regional Plan &amp; DPR)</b></p> |
|   |   | <b>Educational Tour – II</b>   |

**REMARKS:** Education tour is of informal areas in metropolitan cities as a good practical exposure to understand problems and strategies.



---

Environmental issues and planning strategies.

**ENVIRONMENT  
PLANNING &  
MANAGEMENT**

Professional ethics, code of conduct .  
Role and responsibility.

**PROFESSIONAL  
PRACTICE**

Institutional regulatory mechanism, study of different policies housing, transport etc.

**DEVELOPMENT  
POLICIES AND  
STRATEGIES**

**COMMUNITY  
DEVELOPMENT  
AND PUBLIC  
PARTICIPATION**

Community, organizations, public participation and planning process.



# PLANNING STUDIO

---

**Regional Plan  
Balanced Regional  
Development**

**DPR  
Understanding of costing  
and phasing of projects.**



# Semester VIII

| 1998-99  | 2009-10   | 2013-14  |
|--|---|--|
| <ol style="list-style-type: none"> <li>1. Developmental Management</li> <li>2. Planning Legislation</li> <li>3. Urban Design and Conservation</li> <li>4. Metropolitan Planning and Development</li> <li>5. Rural Planning and Development</li> </ol> <p><b>Planning Practice:</b></p> <ol style="list-style-type: none"> <li>1. Planning Project</li> </ol> | <ol style="list-style-type: none"> <li>1. Land Management</li> <li>2. Development Management, Policy &amp; Finance</li> <li>3. Metropolitan Planning &amp; Development</li> </ol> <p><b>Planning Practice:</b></p> <ol style="list-style-type: none"> <li>1. Planning Project (16 weeks)</li> </ol> | <p><b>Elective:</b></p> <ol style="list-style-type: none"> <li><b>1. Governance and Finance</b></li> <li>2. Planning for Regional Infrastructure</li> </ol> <p><b>Planning Practice:</b></p> <p><b>Planning Studio – VIII (Planning Dissertation)</b></p> <p>*Student may opt a credit based undergraduate course from any department of university.</p> |

**REMARKS: Governance and Finance** deals with the hierarchal structure followed while implementing the projects and also provides information regarding the financial aspect of the projects in settlements.



# Planning Dissertation (Areas of Research)

---

1. Housing
2. Urbanization & Urban Development
3. Utilities & Services (Infrastructure)
4. Environment
5. Development Plan, Master Plan & ULB
6. Industrial
7. Traffic & Transportation
8. Conservation and Redevelopment
9. Special Areas
10. Tourism & Recreation
11. Policies, Programmes & Schemes
12. Commercial
13. Regional Planning & Development



# LAY OUT OF PRESENTATION

---

1. INFORMAL SETTLEMENTS & SOCIAL INCLUSION
2. GROWTH OF PLANNING SCHOOLS IN INDIA
3. GURU RAMDAS SCHOOL OF PLANNING, GURU NANAK UNIVERSITY, AMRITSAR
4. UNDERGRADUATE COURSE AND INFORMAL SETTLEMENTS
5. INTERACTION: LEARNING AND FEEDBACK
6. CONCLUSIONS





---

# Interaction Learning Feedback



Field and Teaching  
AICTE



Prof,Dr D.S. MESHRAM  
PRESIDENT ITPI



# INTERACTIONS USEFUL FOR REVIEWING COURSES

---



Representatives Planning schools



Faculty & Students Commissioner MC



Chief Town Planners, Punjab



Melbourne co professionals



# LEARNING THROUGH INTERACTION

---



VISIT OF FACULTY & STUDENTS  
:PAKISTAN



FACULTY & STUDENTS SPA,  
NEW DELHI



FACULTY: UET LAHORE, PAKISTAN



FACULTY & STUDENTS SURAT



# INTERACTION & EXPOSURE

---



WITH FACULTY  
PLANNING SCHOOL CHENNAI



WITH LT GOVERNOR PUDUCHERY



WITH GOVERNOR CHENNAI



# INTERACTIONS EXPOSURES

---



FACULTY IN SPA CHENNAI



SPA B.PLANNING STUDENTS



STUDENTS IN JAIPUR



## FACULTY WITH OUTGOING BATCH



GURU RAM DASS SCHOOL OF PLANNING, GURU NANAK DEV UNIVERSITY, AMRITSAR

# LAY OUT OF PRESENTATION

---

1. INFORMAL SETTLEMENTS & SOCIAL INCLUSION
2. GROWTH OF PLANNING SCHOOLS IN INDIA
3. GURU RAMDAS SCHOOL OF PLANNING, GURU NANAK UNIVERSITY, AMRITSAR
4. UNDERGRADUATE COURSE AND INFORMAL SETTLEMENTS
5. INTERACTION: LEARNING AND FEEDBACK
6. CONCLUSIONS



# CONCLUSIONS

---

1. CURRICULUM COVERS ISSUES AND PROBLEMS OF INFORMAL SETTLEMENTS IN VARIOUS THEORY SUBJECTS SUCH AS HOUSING, SOCIAL AND DEMOGRAPHIC CONSIDERATIONS, TRAFFIC AND TRANSPORT, ESTIMATION AND VALUATION, INFORMAL SECTOR, COMMUNITY PARTICIPATION AND THE LIKE.
2. THE PRACTICAL EXPOSURE OF INFORMAL SETTLEMENTS IS GIVEN IN THE FORM OF STUDIO EXERCISES KNOWN AS PLANNING PRACTICE. THE MOST RELEVANT RELATED TO THE TOPIC ARE SURVEY OF A LOCALITY, TOWN STUDY AND PLAN.
3. ANOTHER METHOD OF COVERING THE TOPIC IS THROUGH EDUCATIONAL TOURS TO HISTORIC AND METROPOLITAN CITIES.
4. FURTHER SPECIAL LECTURES ARE BEING ORGANIZED OF PROFESSIONALS FROM FIELD AND TEACHING FOR ADDING THE ADDITIONAL INPUT.
5. DUE TO CREDIT BASED CONTINUOUS EVALUATION SYSTEM , ALL EVALUATION IS INTERNAL. DUE TO THIS THE INPUT FROM PROFESSIONALS IS RESTRICTED IN PRACTICAL EXERCISES INCLUDING THE THESIS.
6. IN ORDER TO OVERCOME THIS, INTERACTION OF STUDENTS AND FACULTY THROUGH LECTURES OF INVITED SPEAKERS, CONFERENCES, SEMINARS, INTERACTION WITH OTHER SCHOOLS, SUMMER TRAINING/ INTERNSHIP ARE SOME OF THE EFFORTS BEING ADOPTED. FURTHER, NEED TO CREATE NETWORKING AMONGST ALL INSTITUTIONS.
7. OVER ALL, THE SUBJECT OF INFORMAL SETTLEMENTS AND SOCIAL INCLUSION IS WELL COVERED WITH INNOVATIVE METHODS (MULTI MEDIA, SEMINARS, ASSIGNMENTS, TOTAL STATION IN THE CURRICULUM AND IS PROVING USEFUL IN THE FIELD.





---

# THANKS



GURU RAM DASS SCHOOL OF PLANNING, GURU NANAK DEV UNIVERSITY, AMRITSAR