<table>
<thead>
<tr>
<th>S.No.</th>
<th>Module Title</th>
<th>Module Content</th>
<th>Teaching Methodology</th>
<th>Number of Classes</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Rural Society</td>
<td>Structure &amp; Dynamics of the Society of Rural Society: Social, Economic, Political and Cultural.</td>
<td>Group discussion, Lecture &amp; Field Visit</td>
<td>2hrs Lecture, 4hrs group discussion, 4days (24hrs) field visit.</td>
<td>2 credits</td>
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<td>2.</td>
<td>Dynamics of change</td>
<td>Community Goal Setting: Social Engineering</td>
<td>Group discussion, Lecture, Group Exercise &amp; Field Visit</td>
<td>2hrs Lecture, 4hrs group discussion, 4days (24hrs) field visit.</td>
<td>2 credits</td>
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<td>3.</td>
<td>Participatory Learning, Methods &amp; Social mapping/recourse mapping</td>
<td>Approaches and Methods, Community Project Proposal and Project Management, Concept and steps, Thematic Maps, diagrams, matrix</td>
<td>Field Visit Participation, Lecture, Preparation of Awareness program, Aids coaching</td>
<td>2hrs Lecture, 4hrs group discussion, 4days (24hrs) field visit.</td>
<td>2 credits</td>
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<td>4.</td>
<td>Participatory techniques</td>
<td>Community mobilization &amp; community involvement</td>
<td>Lecture, Field Visit, Participation of community, Group discussion</td>
<td>2hrs Lecture, 4hrs group discussion, 4days (24hrs) field visit.</td>
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<td>5.</td>
<td>Evaluation method</td>
<td>25% theory, 25% presentation, 50% on field evaluation &amp; write-up</td>
<td>Project submission &amp; Final Presentation</td>
<td>1hr</td>
<td>Total 4 credits</td>
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**Syllabus for Department of Chemistry & Pharma. Sciences**

*Signed by Head*  
Dept. of Chemistry  
Mahatma Gandhi University  
Nalgonda-508254
Topics for Rural Development from Dept. of Chemistry & Pharma. Sciences

1. Plants of rural area useful as medicines & checking and confirming Chemical which heals, Medicinal plants.
2. Soil testing for minerals and to guide farmers for right crop in right soil.
3. History & Impact of Extinct & Existing Bread of Sheep's & Goats of Telangana State.
4. NUTRIENT Analysis and Health Benefits of Goat & Cows (Cattle rearing) milk-Marketing Primary Products.
5. Environmental sustainability- Climate Change.
7. Pest Management-(Educating the farmers from using harmful chemical pesticides).
8. Engineered Ecosystems for waste management.
9. Different types of soils.
11. Soil suitability and management for crop productions.
12. Water management.
13. Control of soil corrosion.
15. Rural Health – Educating on wellness, health promotion, disease prevention.
16. Reproductive Health education program on HIV/AIDS.
17. Reductions of cost of solar energy sources, and enhance the utilization in rural areas.
18. Encouragement of develop Industries in areas by reduction of pollution.
19. Formation of Agriculture research institutes in newly formed Mandal Headquarters.
20. Identification and utilization of natural resources.
22. The study about rural development with respective to Agriculture crop price stabilization and authorization.
23. To know the rural area conditions.
24. Terms of trade.
25. Adulteration of foods with drugs.
26. Rain water harvesting.
27. Energy conservation and water quality.
29. Agricultural expansion.
31. Evaluating the impact of solid waste disposal.
32. The economic importance of paper, metal and wood.
33. Biogas production from cow dreg & coconut shells/ nulls.
35. Educating the women on hygienic conditions.
36. Detection of heavy metals – Ground water.
37. Malnutrition in women & children.
38. Impact of plastic usage.
39. Use of technology in trading system.
40. Industries – Rural areas.
41. % of literacy in rural areas & % of Employment- care study.
43. Consumption of fertilization & farm mechanization.
44. Natural dyeing.
45. Soya based products.
46. Medicinal plant Nursery.
47. Vermi composting.
48. Home made Products.
49. Study of literate zones of Telangana.
50. Marketing system – Challenges and weather based crop insurance schemes.