**STRUCTURE OF LAC DATABASE**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **HOME PAGE** |  |  |  |  | **TIMELINE**  **(ANAMIKA)** | **TIMELINE**  **(NITIN)** |
| **LAC**  **What is it, its purpose** |  |  |  |  |  |  |
| **Structure** | Diagram | MAAS |  |  |  |  |
|  |  | Agri-Advisors |  |  | **30/04/2015** | **30/04/2015** |
| **Functions** | Services  instruments | Soil testing  Aim  How to participate | Process | Attachments (including cases) | **30/04/2015** | **01/05/2015** |
|  |  |  | Benefits, use |  |  |  |
|  |  | Weather monitoring/ information  Aim  How to participate | Process | Attachments | **01/05/2015** | **02/05/2015** |
|  |  |  | Benefits, use |  |  |  |
|  | Mode |  |  |  |  |  |
| **TECHNOLOGIES FOR FARM IMPROVEMENT**  **Need** |  |  |  |  |  |  |
| **Land & Soil Management** | Checking soil erosion | Shelterbelt  Description  Benefits | Design  Setting up, Operation, Maintenance | Attachments | **01/05/2015** | **02/05/2015** |
|  |  |  | Support |  |  |  |
|  |  | Check dams and Gabian walls  Description  Benefits | Check dams:  Design  Setting up, Operation, Maintenance | Attachments | **02/05/2015** | **04/05/2015** |
|  |  |  | Gabian walls:  Design  Setting up, Operation, Maintenance | Attachments |  |  |
|  |  |  | Support |  |  |  |
|  |  | Earth basins with infiltration pits |  |  |  |  |
|  | Managing soil nutrients | NDF  Description  Benefits |  |  | **02/05/2015** | **04/05/2015** |
|  |  | Vermicomposting |  |  |  |  |
|  |  | Other farm practices |  |  | **04/05/2015** | **05/05/2015** |
| **Irrigation** | Snow/water harvesting | Snow fences |  |  | **04/05/2015** | **05/05/2015** |
|  |  | Artificial glacier |  |  |  |  |
|  |  | Snow reservoir |  |  |  |  |
|  |  | Anything for water? |  |  |  |  |
|  | Lift irrigation | Hydram |  |  |  |  |
|  |  | Solar pump |  |  |  |  |
|  | Efficient irrigation systems | Drip irrigation |  |  |  |  |
|  |  | Sprinkler irrigation |  |  |  |  |
|  | Improved traditional methods | Tanks and channels |  |  |  |  |
| **Precision Farming** |  | Decription  Benefits |  |  |  |  |
| **Agricultural Adaptation to climate change** |  |  |  |  |  |  |
| **AGRICULTURAL PROBLEMS & SOLUTIONS** | Climate change | Climate-adapted crops/varieties |  |  |  |  |
|  |  | Change in cropping practices |  |  |  |  |
|  |  | Conservation agriculture | **Conservation Tillage with minimum soil disturbance** |  |  |  |
|  |  |  | **Permanent Soil Cover** |  |  |  |
|  |  |  | **Intercropping and Crop Rotation** |  |  |  |
|  |  | Agroforestry | **Homestead gardens and orchards** |  |  |  |
|  |  |  | **Windbreaks** |  |  |  |
|  |  |  | **Hedges and live fences** |  |  |  |
|  |  |  | **Fodder banks/trees on contour strips in cultivated fields** |  |  |  |
|  |  |  | **Gully rehabilitation** |  |  |  |
|  |  | Case studies of farm production adaptations |  |  |  |  |
|  |  | Water management and integrated drainage |  |  |  |  |
|  |  | Precision farming |  |  |  |  |
|  |  | Pests & diseases |  |  |  |  |
|  |  |  |  |  |  |  |