

Gantt Chart of Work Plan

Project Title: Post-Fire Management in the pine forest of Indian Himalayan region by studying, conserving and distributing cultivable microbial biota to increase ecological succession and to revive forest productivity

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S. No.	Activity	1 st Year				2 nd Year				3 rd Year			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	<ul style="list-style-type: none"> Selection of sample plots sites Identify vulnerable highly, moderately and low fire prone area Use of remote sensing tool to demarcate the fire prone areas in consultation with IIRS Dehradun and UK. 												
2	<ul style="list-style-type: none"> Collection and isolation of microbes from various burnt and unaffected sites Involvement of people from the panchayats Joint Forest Management Committees (JFMCs) in these sites 												
3	<ul style="list-style-type: none"> Characterized microbes both biochemically and genetically. Comparison of diversity and microbial load in the fire affected and unburnt area 												
4	<ul style="list-style-type: none"> Testing the microbes for beneficial traits of plant growth promotion viz biofertilizer and biocontrol Preparation of consortium to test if microbes are not antagonizing each other. 												
5	<ul style="list-style-type: none"> Application of consortium in the selected area and analyze the change in microbial biodiversity 												
6	<ul style="list-style-type: none"> Analyze the effect of application of consortium on tree growth in the selected areas of potential sites. Diversity of vegetation and local flora will be analyzed as an indicator of microbial richness. Study the soil properties like binding capacity, erosion ability and texture. 												

	<ul style="list-style-type: none">• Measuring the establishment and growth of local flora especially grasses and line seedlings as an indicator of the application of consortium.												
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