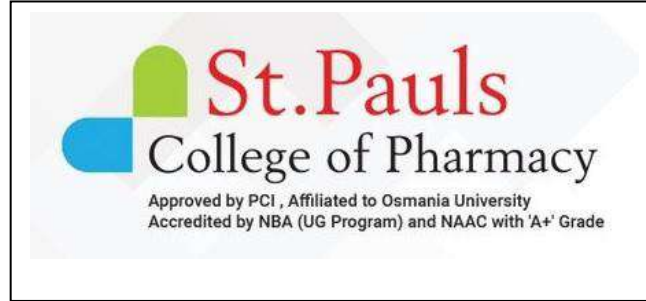




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**ANNUAL PROGRESS REPORT ( 2021-22)**

**SEG PROJECT**

**PILOT SCALE UP OF CULTIVATION OF BLACK RICE  
AND MILLETS**

**BY**

**PARTICIPATING INSTITUTE**

**ST. PAULS COLLEGE OF PHARMACY**

**State: Telangana**

**Dist: R.R , Block:Manchal**

**SEG name: Manchal**

**RCI: NIRDPR**

**AISCHE CODE OF COLLEGE- C-25962**



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## BACKGROUND

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## Introduction

Unnat Bharat Abhiyan as a flagship programme of Ministry of Education, Govt of India envisaged the need of transformational change in rural India with cooperation of Higher Educational Institution as a architecture of an Inclusive India. St Pauls College of Pharmacy has been designated as participating Institute under UBA in the year 2020. As part of UBA mission the HEI St. Pauls College of Pharmacy has adopted five villages for their integral development. The list of five villages includes Manchal, Thippaiguda, Dadpally, Chittapur and Lingampally belonging to Ranga Reddy district. The activities initiated and monitored by HEI under the UBA programme include village survey, household survey, identifying the problems and preparing a village development plan for their respective villages, Developing way forward plan suitable to uplift socio economic development. The proposed developmental works are to be performed by the existing schemes of the Government in utilizing the UBA fund proposed for the SEG proposal

## Scope

The SEG proposal was developed based on the survey results of UBA village survey programme which could emphasize the need of socioeconomic upliftment and strength of the villages with its traditional roots of knowledge as agriculture. The SEG proposal emphasized on “Cultivation of Black rice and millets” as rural upliftment programme which was approved by UBA under sustainable agriculture system.

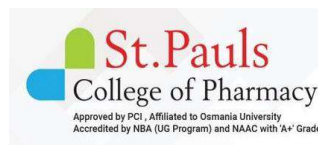
## Objectives

1. To conduct village survey and house hold survey
2. To analyze the needs of the local population of the villages
3. Design and development of research inquisitives applicable to the area in order to uplift the village with strong socio economic background
4. To work in orientation with the SEG proposal to uplift agriculture rural development
5. To analyze the project time to time for its timely completion



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St. Pauls  
College of Pharmacy  
Approved by PCI, Affiliated to Osmania University  
Accredited by NBA (UG Program) and NAAC with 'A+' Grade

<b>Reporting Period(Month &amp; Year)</b>	<b>Jan –November 2022</b>
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**1. Name of the Participating Institution (PI) and AISHE Code:**

<b>St. Pauls College of Pharmacy</b>	<b>AISHE Code: C-25962</b>
--------------------------------------	----------------------------

**2. Contact details- UBA Office**

<b>Mobile number</b>	<b>9052001390</b>
<b>E-mail ID</b>	<b>drkiranmaim@stpaulscollege.ac.in</b>

**3. Details of cluster/villages where UBA activity is being carried out**

<b>SN.</b>	<b>Villages</b>	<b>Block</b>	<b>District</b>
1	Manchal	Manchal	Rangareddy District
2	Thippaiguda	Manchal	Rangareddy District
3	Dadpally	Manchal	Rangareddy District
4	Lingampalle	Manchal	Rangareddy District
5	Chittapur	Manchal	Rangareddy District



#### 4. Gram Sabha level activity and information

##### A: Program organised in Gram Sabha

SN.	Name of Activity	Date	Remark
1	Meeting with gram panchayat secretaries, SHG , Asha workers on socioeconomic status of villages	29 <sup>th</sup> August 2021	Reported the weak sections and socioeconomic status of villagers
2	Interaction with Gram Pachayat secretaries of each village, Villagers for understanding health status	9 <sup>th</sup> September 2021	Report on nutrition aspects pertaining to women and children
3	Village survey –UBA at Manchal, Dadpally	1 <sup>st</sup> December- 20 <sup>th</sup> January 2022	Identification of problems at village level
4	Village survey –UBA at Thippaiguda, Lingampalle, Chittapur	22 <sup>nd</sup> January – 5 <sup>th</sup> February 2022	Identification of problems at village level

##### Activities by Participating institute

##### Activity 1: September 2021 –December 2021

##### Village level survey and House Hold survey

The village level survey and house hold survey was conducted with the involvement of two faculty members and 20 student coordinators from PI.



**Table 1: Population statistics of Villages as per 2021 statistics**

No	Name of the Mandal	Name of the Habitation	P O P U L A T I O N											
			Scheduled Tribes			Scheduled Castes			Others			T o t a l (ST+SC+Others)		
			Male	Fem ale	Tot al	Mal e	Fem ale	Tot al	Mal e	Fem ale	Tota l	Mal e	Fem ale	Total
1.	Manchal	Lingampally	1	3	4	105	107	212	637	606	1243	743	716	1459
2.	Manchal	Manorabad	0	0	0	76	78	154	4	8	12	80	86	166
3.	Manchal	Sabithnagar	0	0	0	131	133	264	153	113	266	284	246	530
		<b>Lingampally Total:</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>312</b>	<b>318</b>	<b>630</b>	<b>794</b>	<b>727</b>	<b>1521</b>	<b>1107</b>	<b>1048</b>	<b>2155</b>
4.	Manchal	Dadpally	174	176	350	38	35	73	303	290	593	515	501	1016
5.	Manchal	Venkateshwa ra Thanda	188	149	337	2	4	6	0	0	0	190	153	343
		<b>Dadpally Total:</b>	<b>362</b>	<b>325</b>	<b>687</b>	<b>40</b>	<b>39</b>	<b>79</b>	<b>303</b>	<b>290</b>	<b>593</b>	<b>705</b>	<b>654</b>	<b>1359</b>
6.	Manchal	Thippaiguda	2	1	3	165	128	293	402	367	769	569	496	1065
7.	Manchal	Chittapur	0	0	0	150	115	265	628	596	1224	778	711	1489
8.	Manchal	Manchal	14	226	240	547	554	1101	158	158	3166	214	236	4507
		<b>TOTAL:-</b>	<b>379</b>	<b>555</b>	<b>934</b>	<b>1214</b>	<b>1154</b>	<b>2268</b>	<b>4019</b>	<b>3565</b>	<b>7273</b>	<b>5301</b>	<b>4274</b>	<b>10575</b>

**Activity 2: Activities to motivate Villagers community towards UBA participating institute (Sep-Dec 2022)**

1. A meeting was organized at Manchal on 9th September, 2021 to motivate community members (villagers, Students, faculty members and staff members) to participate enthusiastically in the



activities of UBA at Manchal and also discuss to adopt a new Five villages in close proximate of institution for better coordinating with villager's. Name of villages are: 1. Manchal 2. Dadpally 3. Chittapur 4. Lingampally 5. Thippaiguda **(Report in Annexure 1)**

### **Activity 3: Govt Awareness camp in association with Village Panchayat secretaries**

The camp was conducted in each village to conduct awareness on the available govt schemes for agriculture and also the village secretaries were involved to develop Village development plan. Around 1000 villagers were involved and the village development plan was approved and circulated to the sarpanch of the respective villages. **(Details in Annexure 2)**

### **Activity 3: SEED development program**

The seeds were procured and prior to the initiation the field were prepared for sowing of seeds including ploughing of 2 hectares of land. Further on July 25<sup>th</sup> 2022 the seeds were sown and in between the fertilizer treatment etc were carried out.

November 2022: the harvesting was done and the paddy obtained was for milling.

All the details of the seed procurement, ploughing, sowing, harvesting and the allocated funds are reported in **Annexure 3**

### **Activity 4: Continuous monitoring of activities by PI**

The PI is vigilant on the activities and the connections between the village panchayat secretaries in order to effectively execute the village development plan.

Periodical meetings in order to address the issues with rain and irrigation were communicated to local panchayat secretaries and also the issues were addressed.

The PI has taken key initiative to engage the project staff to conduct govt awareness program, meetings and also in the farming practices.

The timeline reports and the utilization certificate of the village survey has been communicated to IIT Rourkeela National Coordinating institute



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**Table 3: Allocate fund for SEG project and Baseline survey**

<b>S. No</b>	<b>Name of the project</b>	<b>Allocated fund</b>	<b>Utilization certificate</b>
1	Baseline survey	50000	Submitted
2	SEG project in cultivation of Black rice and millets	100000	Submitted



## Annexure 1

Report on village survey and baseline survey

**Table 2: Survey results of the villages (Sep-Dec 2021)**

S. No	Village name	Identified problems	Strengths of village	Addressing issue
1.	Manchal	Transport issues Unemployment Need of future revenue generating livelihood	Agriculture Women handicrafts	Development of agriculture system
2.	Thippaiguda	Transport and irrigation issue Need of future revenue generating livelihood	Agriculture Other laborious works	Development of agriculture system
3.	Dadpally	Irrigation issue Unemployment Transport	Agriculture	Development of agriculture system
4.	Lingampally	Electricity issue Unemployment Irrigation issue	Agriculture Women handicrafts	Development of agriculture system
5.	Chittapur	Irrigation issue Unemployment Transport	Agriculture Women handicrafts	Development of agriculture system

The common focused problems identified by village survey include

1. Transport facilities are poor.
2. Lack of awareness about Government schemes.
3. School infrastructure is in bad condition.
4. Problem of wide consumption of alcoholism among villagers.



5. Management of liquid and solid wastes.
6. No street lights and transport at certain places like chittapur and dadpally.
7. 60% of Unemployment was observed.
8. No primary health center at dadpally and thippaigguda.

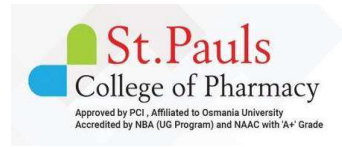
**B: Plan of action for village development (Gram Sabha)**

SN.	Name of village	Major issues identified in village	Action plan
1	Manchal (Grant received for Manchal)	Boost agriculture for Crop rotation thereby enhancing livelihood, employment issues	Action plan designed and initiated- Black rice as commercial and health benefit is identified further plot set of black rice cultivation initiated
2	Dadpally	Boost agriculture for Crop rotation thereby enhancing livelihood, employment issues	Action plan is prepared, Initiation will be done after receiving the grant of funding
3	Chittapur	Boost agriculture for Crop rotation thereby enhancing livelihood, employment issues	Action plan is prepared, Initiation will be done after receiving the grant of funding
4	Thippaiguda	Boost agriculture for Crop rotation thereby enhancing livelihood, employment issues	Action plan is prepared, Initiation will be done after receiving the grant of funding
5	Lingampalle	Boost agriculture for Crop rotation thereby enhancing livelihood, employment issues	Action plan is prepared, Initiation will be done after receiving the grant of funding



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**Baseline survey-village level survey and house hold survey**



## Annexure II

**Title:** Exposure and Field visit to Manchal village- IIC and UBA (Problem identification issues at village level)

### Objectives

- To identify the villages with weak development
- To identify weaker section people of village
- To enhance and upgrade village development plans
- To take necessary action under the state govt action plans

### Speakers

**Chairman and Governing body member:** Mr. K . Sudhir

**Vice president IIC- UBA coordinator:** Dr. M. Kiranmai

**Innovation and IPR coordinator:** Dr. Sneha Thakur

**NIRF coordinator:** Dr. Somnath De

**Govt officials:** Panchayat Raj Secretaries, VRO Of Respective Village

### Participant Details

The village people including different age groups like above 45, 35-45, 20-30 and children were selected as participants. The interaction was done in presence of govt officials and the queries were reported in form of survey. Further the Govt officials could approve the survey form which was disseminated as part of Village development plan. The need of revocking and upgrading the infrastructure and addressing health issues was matter of concern that was concluded from the study.

### Outcome

Lot of health issues that is affecting livelihood

Need of nutritional supplements for children and women

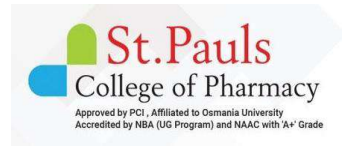
Sanitization facilities need to be improved

**Principal**  
St. Paul's College of Pharmacy  
Terkavemil, R.R. District



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Village level and Gram Panchayat survey in District head quarters of Manchal Gram panchayat, Manchal village about socioeconomic status and health status of villagers



**Govt Scheme awareness program at Manchal**

### Annexure 3

Seeds were procured and SEED development plan was initiated in July 2022, further the Mid term progress and difficulties faced were monitored time to time in association with Village panchayat secretaries.

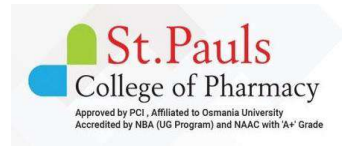


**SEED development Plan on JULY 2022**



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Action plan initiation at Manchal Village, block Manchal, R.R dist, Telangana state- Black rice



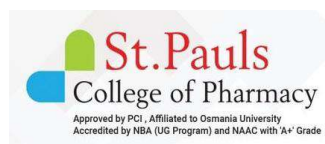


**Project investigator working on Transplantation of Black rice plantlets in July 2022 in Manchal village, block Manchal, R.R dist, Telangana state**



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## Midterm activity progress

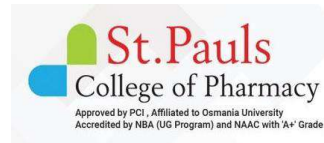
St. Pauls College of Pharmacy has organized a **Field Trip to Manchal village** on 2-11-2022 in association with UBA, IIC and AMC. The visit was helpful for students to identify the problems in the crop field. The students of B. Pharmacy IV year and II, III, IV year of Pharm D interacted with village people through door to door survey. The visit had helped the students in identifying the Adverse drug reactions, village issues and need of upgradation in village development plans.

Report on midterm activity



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### Exposure and Field visit to Manchal village- IIC, AMC and UBA (Problem Identification at village level)

#### Objectives

St. Pauls College of Pharmacy has organized **Field Visit to Manchal village** on 2-11-2022 in association with UBA, IIC and AMC to analyse the mid term progress and status of the village in terms of health.

- Identify the problems in crop field.
- Interact with people at door.
- Create awareness regarding adverse drug reactions.
- Identify adverse drug reactions.
- Take necessary action for village development.

*Chairman and Governing body member:* Mr. K. Sudhir

*Vice president IIC- UBA coordinator:* Dr. M. Kiranmai

*Innovation and Start up activity coordinator:* Dr. Sneha Thakur

*IPR coordinator:* Dr. Somnath De

*Faculty coordinators:* Dr. Anusha Joel, B.Suhasini.

*Govt officials:* Panchayat Raj Secretaries, VRO Of Respective Village.

#### Participant Details:

As part of IIC, AMC and UBA program students of B. Pharmacy IV year and II, III, IV year of Pharm D of St Pauls have visited Manchal village, students made door visit to identify the problem that villagers were facing. Students interacted with villagers of all age groups in friendly manner enquiring about the medication, food habits and water. In the process understood that villagers do not have basic understanding of side effects of medication, importance of medical perceptions, hygiene and nutrition.

Students strongly echoed the importance of village development plans such as medical camps, awareness of ADR . Eradication of water contamination and healthy food habits

It was good exposure for students through field visits to experience the problems.

#### Outcome

to conduct:

- Medical camp to make villagers aware of ADR
- Nutritional awareness, especially for children and women
- Sanitization awareness

  
Principal  
Principal  
St. Pauls College of Pharmacy  
Tarakampal, R.R. Dist-501 510



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Midterm activity survey in Manchal



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Mid term activity survey in association with gram survey secretaries