

UNNAT BHARAT ABHIYAN

Indian Institute of Technology Roorkee



Semester Report

Autumn Semester July 2019-till Oct., 2019

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Overview of Initiatives: Beladi-Salhapur

Tree plantation drive and Documentary screening

On the occasion of Independence Day, UBA IIT Roorkee team planned to conduct a tree plantation drive to encourage the students for tree plantation and to make them aware towards our environment. The team also did the screening of a documentary based on the Border Security Force to motivate the students to serve their nation. However, the team couldn't get permission to organize these events on the desired date due to some reasons so these initiatives took place on August 17, 2019. The team got accolades for conducting a successful program.

Work Done:

Total man-hours spent = 12 hours

S. No.	ACTIVITIES DONE	DATE
1.	The team decided to conduct a tree plantation drive in the primary and secondary school on the occasion of Independence Day.	August 06, 2019
2.	A documentary movie based on BSF was selected to be shown to the students of the primary school.	August 06, 2019

Conclusion and future plans:

- The students were highly motivated by the documentary towards serving the nation.
- Students participated in tree plantation drive with high enthusiasm and helped in the plantation of saplings.



"Swachhata Hi Seva" Campaign

In major parts of India as well as the world, attention towards the cleanliness of our surroundings is always ignored. The continuous use of plastic has polluted our environment and caused many diseases. So the team members decided to conduct a *Swachhata Hi Seva* campaign to aware villagers of the harmful effects of plastic. The team decided to distribute paper bags to people and collect plastic bags from them.

Work done-

Total man-hours spent= 12

S.No.	ACTIVITIES DONE	DATE
1.	It was decided in the meeting that there will be a door to door campaign regarding the harmful effects of plastic.	September 23, 2019
2.	The team decided to distribute paper bags to households and collect plastic bags from them.	September 23, 2019

Conclusion and future plans-

The team received warm feedback. People pledged to avoid the use of plastic bags and to use paper bags. People were made aware of the harm that plastic bags cause to our environment.



LED distribution and Digital Literacy Camp.

In the digital era, cashless transactions have become a common method of business. To spread awareness among the people about the digital payment platforms like BHIM, Paytm, the team decided to conduct a camp. The team also decided to conduct a camp to provide LED to the people at a subsidized rate.

Work done-

Total man-hours spent= 40 hours

S.No.	ACTIVITIES DONE	DATE
1.	The team decided to conduct a door to door promotion of the camp a day before.	October 09, 2019
2.	The team collected the LED bulbs from the post office at Roorkee.	October 09, 2019
3.	Posters for the camp were distributed during door to door promotion.	October 09, 2019

Conclusion and future plans-

The event was a great success and all the bulbs got distributed to the people. Some people were already familiar with online transaction methods. The team was successful in installing the app in mobiles of the villagers.



Overview of Initiatives: Chandpur- Horawala:

School Adornment

To pace up with the technological necessities of the 21st century and to equip the future generation of the village with the indispensable technologies, team UBA IIT Roorkee took the initiative to digitize Government Inter College (GIC), Horawala. Setting up a digitized environment in the school would help teachers to explain various concepts to the students in a very effective manner. Team UBA collaborated with Srijan Foundation, a non-profit organization, to set up the Digi school at GIC, Horawala.

The initiative focused on helping the schools in setting up new generation smart classes. The facilities include:

- Proper furniture
- Repair of leaking ceiling
- Computer installation
- Projector and smartboard

Team UBA renovated the hall of GIC, Horawala and installed different types of equipment like the smartboard, CPU, laptop, and projector. The school has been provided with a hard-disk containing the curriculum for the school students. To evaluate the progress of the students as well as to clear the doubts, UBA members weekly visit the school.

The initiative got an overwhelming response from the Chandpur-Horawala students as well as residents.

October 12, 2019, was a red-letter day for the team UBA marking the inauguration day of our Digi school at GIC, Horawala. Teachers and students were taught to operate the smartboard by the volunteers of Srijan Foundation as well as the members of UBA.

The aim of this initiative was simple, allowing the students to excel in their life and making sure that financial status does not determine their future.



Science Exhibition

Being from a technological background, team UBA understands the importance of practical learning. To emphasize the better understanding of the theoretical knowledge, the team took the initiative of conducting a science exhibition in Government Inter-college, Horawala. The UBA team divided the initiative into three phases:

Phase I: Explanation of different phenomena via experiments:

On August 03, 2019 team UBA went to GIC and demonstrated eight experiments to the students of senior secondary school. The experiments were based on scientific phenomenon. The main focus was to enhance the scientific acumen.

Phase II: Preparing students for science exhibition

After the experiments were demonstrated by the UBA members, students were asked to prepare an abstract on the topic in which they were interested and would like to do the experiment. They were given a time of one week to do so. UBA members gave materials required to the students according to the science project decided by them. The projects are

in the development phase. UBA members help students by visiting the schools every week and clearing their doubts and solving problems regarding science projects.

Phase III: Science exhibition

A science exhibition will be organized when students will complete their projects.



“Swachhata hi Seva” campaign

On September 29, 2019 Team UBA Chandpur took a step forward towards a greener and cleaner future by organizing a campaign on reducing the use of plastic bags. Villagers of Chandpur and Horawala were facing related problems like drain blockage, loss of land fertility and decline in the health of cattle. Team UBA did a survey in Chandpur cluster and found out the root cause, i.e., villagers were not able to dispose of plastic bags and products properly resulting in multiple environmental complications.

To curb the problem of plastic waste the team decided to spread awareness among the villagers about the harmful effects of plastic bags. The team went to the doorsteps of the households and explained to them the adversity of plastic products on the environment, water bodies as well as on the lives of livestock. During the survey, the team came to know that villagers generally burn plastic products to get rid of the waste. This way of disposal was quite harmful for the person burning the plastic. Thus, during the campaign, we also forewarned about the Dos and Don'ts during the disposal of plastic waste.

The team provided the alternate solution to reduce plastic waste and distributed cloth bags to the villagers. To give a kickstart and to make the campaign more effective, the team collected the plastic products from every household to induce the use of cloth bags. The response from the villagers was encouraging.



GK Quiz

In the 21st century, a person is educated only when he or she is well informed about what is happening around the world. To make sure that the students of the village Chandpur and Horawala are well aware of the happenings around the world, team UBA decided to take up the initiative of conducting quiz in schools of Chandpur and Horawala.

GK is an important aspect in many competitive exams to screen out the students appearing in the examination. Added to that GK is about knowing everything every day. Thus, to give an edge to the students of Chandpur and Horawala village for future competitive exams it was decided that the GK quiz should be conducted twice annually.

Quizzes were conducted in two groups: one for senior wing students and another for senior secondary students. Quiz contained questions regarding current affairs in the form of MCQs and FIBs. The answers to the quiz questions were discussed with the students by the UBA members at the end of the quiz. The papers were checked and the top three from every group in Chandpur as well as in Horawala were given prizes.

Prizes motivated the students to give the quiz seriously and thus helped them in learning the facts around the world.

GK quiz in Chandpur and Horawala schools was conducted on August 10, 2019. Prize distribution was held on October 12, 2019. A positive response was received by the team from students, teachers as well as parents.

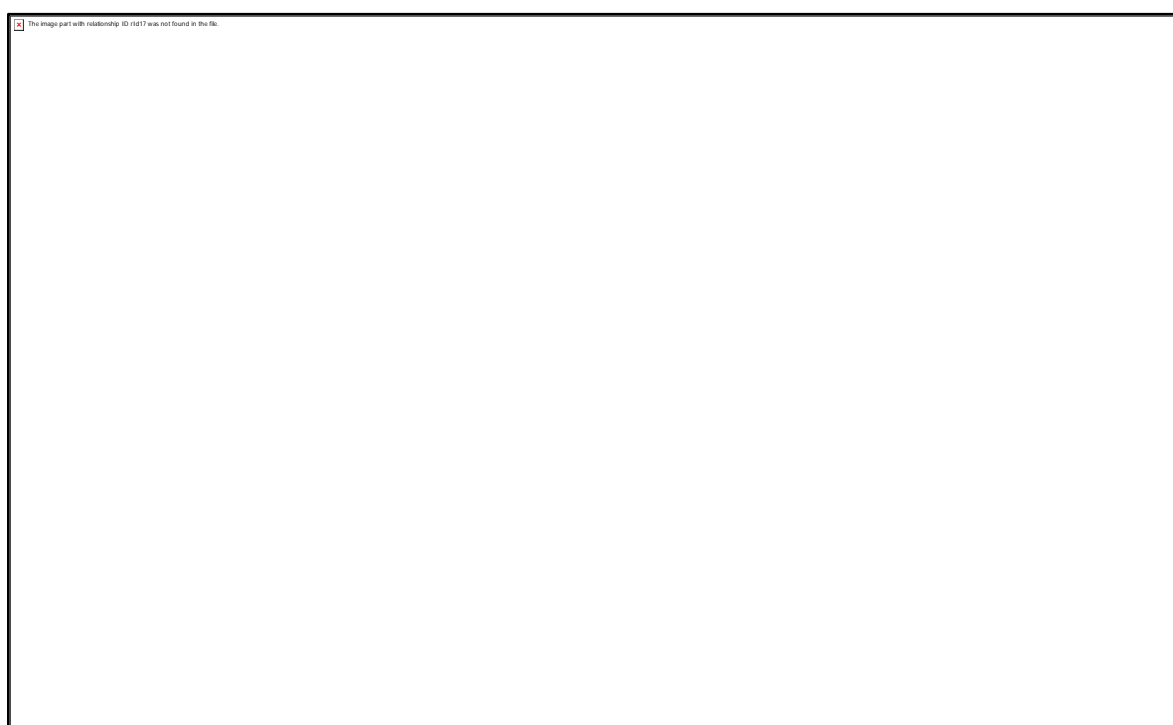


Overview of Initiatives: Chharba

Information and Communication Technology initiative

The team started this initiative because there are no computer classes and labs in the schools of Chharba village. Team members planned to take a 2-hour class during every visit describing the basics of PowerPoint and Word to the 8th and 9th class students.

On October 12, 2019, Mr. Sawan Deep Gavel and Mr. Narendra Mohan Conducted ICT in Government Inter College Chharba. Many students already knew the use of PowerPoint and Word. The team would target low-level classes from the next time.



Science Exhibition

The team started this initiative keeping in mind the importance of building up the interest of students in practical science. Thus, a Science Exhibition was organized on August 03, 2019, by the UBA Team Chharba, demonstrating various science models and explaining the concept behind them. The main objective of the initiative was to arouse the interest of students in practical science.

A team of 10 members went to Government Inter College, Chharba and explained the working principle of hydraulic lift, kaleidoscope, water alarm, projector, generator,

volcano, torch, and how a potato can be used to produce electricity to illuminate a small light bulb to the students. After the explanation, the team helped them to make their models. The targeted classes were IX, X, XI, and XII.

All the models were displayed in one place and students explained the principle behind them in front of Pradhan, Principal and the teachers of the school.



“Swacchata hi Seva” campaign

As the use of plastic has increased so much, the team came up with an idea “SwachhataSewa” campaign to increase awareness about the harmful effects of plastic bags among the villagers. Thus, a rally of “SwachhataSewa” campaign was organized by UBA team in village Chharba and also a door to door promotion was done by the members of UBA team, telling the harmful effects of plastic to the villagers. Cloth bags were distributed to the villagers suggesting them to use the cloth bags over plastic bags.



PMKVY

After a lot of investigation, the team came to the conclusion that a major segment of the youth in the village Chharba was unemployed. So, the team thought to promote the PMKVY scheme in the village so that the people would be benefited from the scheme and would get jobs in accordance to their respective skills.

The team came to know that an organization named PMKK is already providing the training to the registered people and also provide jobs to them.

So, the UBA team collaborated with PMKK and promoted the PMKVY scheme in Chharba village with PMKK members and successfully secured registration of 61 people.



Overview of Initiatives:Meerpur-Muwazpur

AGROMET Initiative

The motive of the AGROMET initiative was to make farmers aware of the setups and technology that are very helpful in farming. These technologies are deployed in weather forecasting and determining proper time and conditions for sowing and harvesting any particular crop. Different setups were shown and explained to the farmers at AGROMET laboratory.

Work Done:

Sr. No.	Date of Visit	Activities Done	Conclusion
1.	July 21, 2019	<ul style="list-style-type: none">• Farmers were explained about the importance of water and its conservation and use of conserved water for irrigation• Farmers also visited AGROMET laboratory.	<ul style="list-style-type: none">• The event was highly appreciated by the visiting farmers and the team received warm feedback.• The farmers actively interacted with the professors during the AGROMET laboratory visit.• The farmers were almost sent back by the police due to traffic restrictions because of the <i>kavad yatra</i>. The event faced adverse circumstances but it achieved the desired goals set by the team.

Conclusion and Future plan:

- The team received great feedback from the farmers and was commended for its efforts and planning.
- The event was highly appreciated by the visiting farmers and the team received warm feedback.



ICT Initiative

To foster learning through new technology in the village of Meerpur, the team planned and carried out a computer training initiative for the primary and secondary school students of Junior High School, Meerpur.

Students from classes IX- X were given basic, hands-on computer training on laptops brought by members of the UBA team. This initiative was planned to be conducted on weekends. Also, supportive material was also prepared to be given to the students.

Work Done:

Total man-hours spent: **16 hours**

Sr. No.	Date of Visit	Activities Done	Conclusion
1.	August 3, 2019	<ul style="list-style-type: none"> Taught basics of M.S powerpoint and gave printed materials for their revision. 	<ul style="list-style-type: none"> The students learned Powerpoint quite well and even made some slides on their own. The students were curious to learn more about it in the future too.

			<ul style="list-style-type: none"> ● The teachers appreciated the efforts of team UBA.
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Conclusion and Future plan:

- The team received great feedback from the students and teachers and was commended for its efforts and planning.
- Given the great success of this initiative, a second version of the ICT Training would be organized in different schools of the village.

Eco- Friendly Rakhi Making and Face Painting Competition

The INSPIRE initiative aims to provide better knowledge and awareness in various fields to the students through inspirational activities. And it works to motivate and encourage the students to learn new things.

Under this initiative, the team conducted various competitions in Junior High School, Meerpur on August 17, 2019.

Work Done:

Total man-hours spent: **18 hours**

Sr. No.	Date of Visit	Activities Done	Conclusion
1.	August 17, 2019	<ul style="list-style-type: none"> Conducted eco-friendly rakhi making and face painting competition. The winners of the competition were rewarded with stationery kits. 	<ul style="list-style-type: none"> The competitions were conducted smoothly and the material distributed were sufficient for the competition. The competition gave a boost to the creativity of the children and also promoted the feeling of patriotism among them.

Conclusion and Future plan:

- This initiative would continue in the Spring Semester 2020 and will comprise of following sessions:
 - Motivational Lectures
 - Quiz Competitions



“Swachhta Hi Seva” campaign

The aim was to spread awareness about the harmful effects of polythene on the environment and on the health of living beings and animals. It is also aimed at getting rid of polythene from households and encouraging the use of cloth bags.

The campaign was organized on **September 29, 2019**, and the collection of polybags and giving cloth bags in exchange was successfully accomplished.

Work Done:

Total man-hours spent: **30 hours**

Sr. No.	Date of Visit	Activities Done	Conclusion
1.	September 29, 2019	<ul style="list-style-type: none">• The team distributed 80 environment-friendly cloth bags.• The team also collected non-biodegradable plastic bags in exchange.	The team successfully conducted the campaign and was successful in helping the villagers to get rid of the plastic bags and in distributing cloth bags.

Conclusion and Future plan:

- The villagers showed full interest in the campaign and were keen to give their full contribution to making this campaign successful.
- It was very overwhelming to know that the villagers were quite aware of the harmful effects of polythene and that they had increased the use of cloth bags.



Solar Ambassador Workshop

The objective of the workshop was to sensitize the young minds towards Solar energy and dire consequences of climate change and to make them an integral part of the clean energy revolution by giving them the hands-on-training experience to make their own solar study lamp.

Work Done:

Total man-hours spent: **15 hours**

Sr. No.	Date of Visit	Activities Done	Conclusion
1.	October 14, 2019	<ul style="list-style-type: none"> The team first explained to the students the advantages of Solar Energy over the conventional energy sources for generating electricity such as it gives non-polluting, 	<ul style="list-style-type: none"> The team successfully conducted the workshop with a total participation of 108 students from class 8th and 10th. During the workshop, 20 Solar lamps were successfully made by the

		<p>environment-friendly output and is available in abundance.</p> <ul style="list-style-type: none"> After the introduction, the team divided the students into groups and distributed one lamp kit to each group. 	<p>students.</p> <ul style="list-style-type: none"> The team received appreciation from the teachers and the Principal of the school.
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Conclusion and Future plan:

- The team received remarkable feedback from the students and teachers and was commended for its efforts and planning.
- Given the great success of this initiative, this will also be organized in different schools in the village.



Digitized Payment Workshop

The main aim of the workshop was to spread awareness about digital payment among villagers and its advantages and also brief them about different UPI online apps used for payments.

Work Done:

S. No.	Date of Visit	Activities Done	Conclusion
1.	October 18, 2019	<ul style="list-style-type: none">• The villagers were told about different online payment methods and apps.• Mr. Shaban, Centre Head of PMKVY office, Bahadrabad also addressed the villagers and told them about different government schemes and also about the advantages of the online payment system.• The team members also demonstrated to the villagers how to do payment using different UPI apps.• A KYC workshop was organized by the team at the end of the workshop in which KYC of villagers was successfully done.	The team successfully conducted the workshop making many villagers aware of the online payment system and its many advantages.

Conclusion and Future plan:

- The team has successfully completed KYC of six people in the village.
- More efforts can be done on promotions for greater involvement of the people of the village.

Overview of Initiatives: Puranpur

AGROMET Initiative

The motive of the AGROMET initiative was to make farmers aware of the setups and technology that are very helpful in farming. These technologies are deployed in weather forecasting and determining proper time and conditions for sowing and harvesting any particular crop. Different setups were shown and explained to the farmers at AGROMET laboratory.

Work Done:

Sr. No.	Date of Visit	Activities Done	Conclusion
1.	July 21, 2019	<ul style="list-style-type: none">● Farmers were explained about the importance of water and its conservation and use of conserved water for irrigation● Farmers also visited AGROMET laboratory.	<ul style="list-style-type: none">● The event was highly appreciated by the visiting farmers and received warm feedback.● The farmers actively interacted with the professors during the AGROMET laboratory visit.● The farmers were almost sent back by the police due to traffic restrictions because of the <i>kavad yatra</i>. The event faced adverse circumstances but it achieved the desired goals set by the team.

Conclusion and Future plan:

- The team received great feedback from the farmers and was commended for its efforts and planning.
- The event was highly appreciated by the visiting farmers and the team received warm feedback.



INSPIRE Initiative

The INSPIRE initiative aims to provide better knowledge and awareness in various fields to the students through inspirational activities. It works to motivate and encourage students to learn new things.

Under this initiative, the team conducted various competitions in Scholar's Academy school on August 17, 2019.

Work Done:

Total man-hours spent: **28 hours**

Sr. No.	Date of Visit	Activities Done	Conclusion
1.	August 17, 2019	<ul style="list-style-type: none"> Conducted speech competition. The winners of the competition were rewarded with the color set, dictionary and geometry box. Screening of documentary on Surgical Strike. 	<ul style="list-style-type: none"> The competition was conducted successfully. Screening of the documentary enhanced the knowledge of the students.

Conclusion and Future plan:

- This initiative would continue in the Spring Semester 2020 and will comprise of following sessions:
 - Motivational Lectures
 - Quiz Competitions

“Swacchata hi Sewa” campaign

The aim of the initiative was to spread awareness about the harmful effects of polythene on the environment and on the health of living beings and animals. It is also aimed at getting rid of polybags from households and encouraging the use of cloth bags.

The campaign was organized on **September 29, 2019**, and the collection of polybags and giving cloth bags in exchange was successfully accomplished.

Work Done:

Total man-hours spent: **55 hours**

Sr. No.	Date of Visit	Activities Done	Conclusion
1.	September 29, 2019	<ul style="list-style-type: none">• The team distributed 130 environment-friendly cloth bags.• The team also collected non-biodegradable plastic bags in exchange.	The team successfully conducted the campaign and were successful in helping the villagers to get rid of the plastic bags and in distributing cloth bags.

Conclusion and Future plan:

- The villagers showed full interest in the campaign and were keen to give their full contribution to making this campaign successful.
- It was overwhelming to know that the villagers were quite aware of the harmful effects of polythene and that they had increased the use of cloth bags.



Information and Computer Technology initiative

To foster learning through new technology in the village of Puranpur, the team planned and carried out a computer training initiative for the primary and secondary school students of Scholars Academy, CBSE school in Puranpur.

A total of 24 students from classes VI-VIII were given basic, hands-on computer training on laptops brought by members of the UBA team.

This initiative was planned to be conducted on weekends. Supportive material was prepared to be given to the students.

Work Done:

Total man-hours spent: **12 hours**

Spring **2019**

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Sr. No.	Date of Visit	Activities Done	Conclusion
1.	October 12, 2019	<ul style="list-style-type: none"> Taught basics of M.S word and M.S PowerPoint and gave printed materials for their revision. 	<ul style="list-style-type: none"> Students looked interested to learn more about M.S word.

Conclusion and Future plan:

- The team received great feedback from the students and teachers and was commended for its efforts and planning.
- Given the great success of this initiative, a second version of the ICT Training would be organized in different schools of the village.



Solar Lamp Kit Workshop (Gandhi Global Solar Yatra)

The objective of the workshop was to sensitize the young minds towards Solar energy and dire consequences of climate change and to make them an integral part of the clean energy revolution by giving them the hands-on-training experience to make their own solar study lamp.

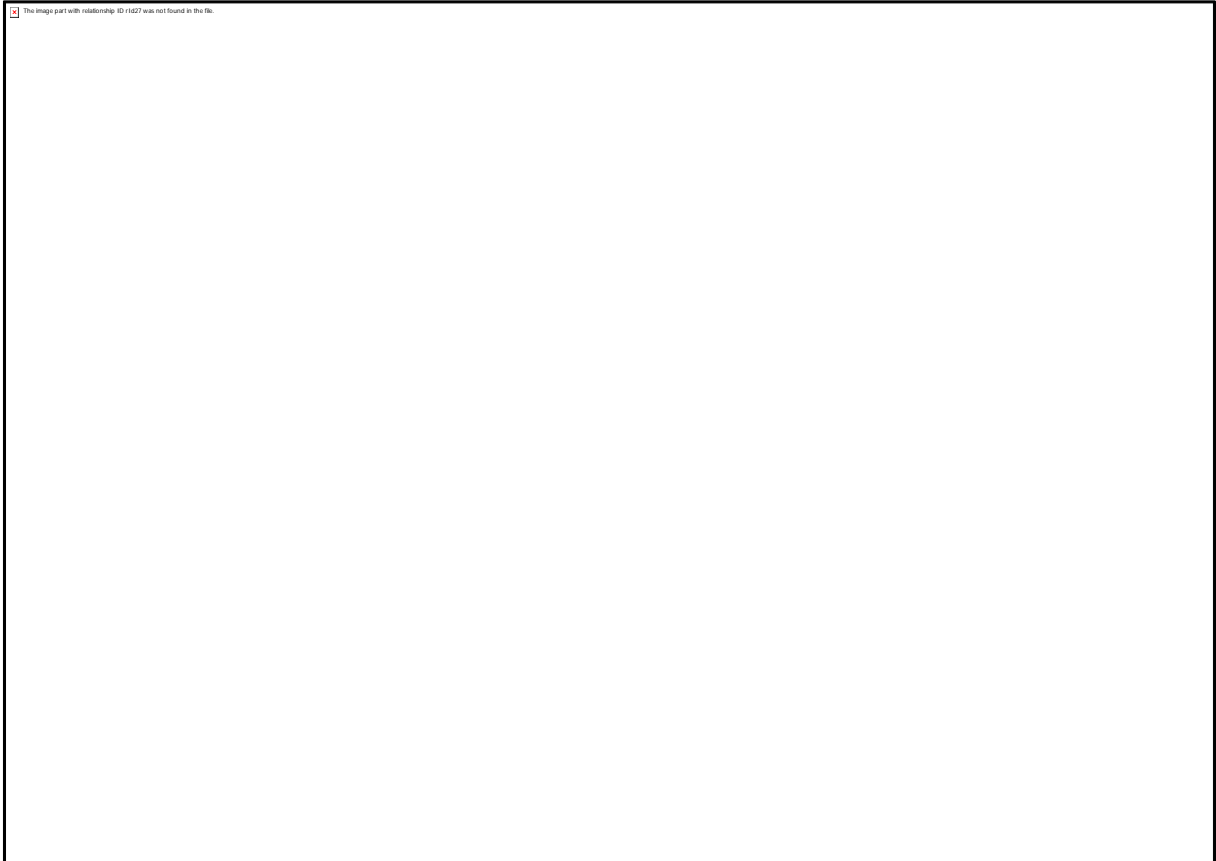
Work Done:

Total man-hours spent: **82 hours**

Sr. No.	Date of Visit	Activities Done	Conclusion
1.	October 12, 2019	<ul style="list-style-type: none">• The team met the Scholars Academy School Principal and informed her about the initiative.• The team planned the execution phase of the initiative and asked her to send 25 students for the Workshop.	<ul style="list-style-type: none">• The Principal of the Scholars Academy School appreciated the initiative and requested to conduct more such workshops in the future.
1.	October 13, 2019	<ul style="list-style-type: none">• The team first explained to the students the advantages of Solar Energy over the conventional energy sources for generating electricity such as it gives non-polluting environment-friendly output and is available in abundant.• After the introduction, the team divided the students into groups and distributed one lamp kit to each group.	<ul style="list-style-type: none">• The team successfully conducted the workshop with a total participation of 28 students from class 6th to 8th.• During the workshop, 25 Solar lamps were successfully made by the students.• The team received appreciation from the teachers and the Principal of the school.

Conclusion and Future plan:

- The team received great feedback from the students and teachers and was commended for its efforts and planning.
- Given the great success of this initiative, this will also be organized in different schools of the village.



LED Distribution Camp

The aim of this initiative was to ensure that LED bulbs are used in the village in place of regular bulbs so as to save electricity. The villagers were given the bulbs at the rate of Rs. 70/ (9W Power). The LED bulbs were procured by the team members from the Roorkee Post Office.

Work Done:

Spring 2019

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Total man-hours spent: **25 hours**

Sr. No.	Date of Visit	Activities Done	Conclusion
1.	October 9, 2019	<ul style="list-style-type: none">• A team member went to Roorkee post office to gather all the required information regarding the initiative.	<ul style="list-style-type: none">• The bulbs would be provided by the Roorkee Post Office at the rate of Rs. 70/ Unit.
2.	October 12, 2019	<ul style="list-style-type: none">• 2 team members went to Roorkee post office to purchase the LED bulbs to be distributed in the village.• Promotion for the LED Distribution camp was done in the village.	
3.	October 13, 2019	<ul style="list-style-type: none">• A total of 26 bulbs were purchased by the villagers	<ul style="list-style-type: none">• The team came to know that almost all the households of the Puranpur village are already using LED bulbs and the people are in general, aware of its benefits.

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Atal Ayushman Yojana

The aim of this initiative was to implement the central government scheme Atal Ayushman yojana in Puranpur. Villagers should get the medical benefits provided by the government. Under this scheme person with the golden card will get free medical treatment in any registered hospital.

Work Done:

Total man-hours spent: **21 hours**

Sr. No.	Date of Visit	Activities Done	Conclusion
1.	August 4, 2019	<ul style="list-style-type: none">A team went to meet the Pradhan of the village to discuss the initiative and the condition of the Common Service Centre in	<ul style="list-style-type: none">The Pradhan told that Common Service Centre in Puranpur is not working and the

		Puranpur.	<p>same was the case with a nearby village Rajpur.</p> <ul style="list-style-type: none"> ● Pradhan asked to contact ANM Mrs Deepa.
2.	August 10, 2019	<ul style="list-style-type: none"> ● Team member called Mrs Deepa to get the list of villagers. 	<ul style="list-style-type: none"> ● She asked to contact one of the Asha workers- Mrs Mayawati for further information.
3.	September 01, 2019	<ul style="list-style-type: none"> ● Team members went to meet Mrs. Mayawati to get further information regarding the list of villagers and golden card letters she received. 	<ul style="list-style-type: none"> ● The team decided to make golden cards in the village itself with the help of Mr Sanjay (computer center operator of another village). Mrs Mayawati gave her contact details.
4.	September 29, 2019	<ul style="list-style-type: none"> ● The team went to meet Mrs. Mayawati at her residence but she was not there so, the team contacted her. 	<ul style="list-style-type: none"> ● Mrs. Mayawati told that CSC of Puranpur has started and villagers are proceeding golden cards from there.