VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Santhibastawad Road, Machhe, Belagavi -590018,

Karnataka, India

An AICTE Activity Report On

"SWACHH BHARATH ABHIYAAN & SPREADING PUBLIC AWARENESS UNDER RURAL OUTREACH PROGRAMMES"

Submitted in the partial fulfilment of the requirements for the

award of the degree of

BACHELOR OF ENGINEERING

in

INFORMATION SCIENCE AND ENGINEERING

For the Academic Year 2022-2023

Submitted by

AMIT SINGH **1JS19IS011**

Under the Guidance of

Dr. Rekha P M

Professor & Head

Dept of ISE

JSSATE

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING JSS ACADEMY OF TECHNICAL EDUCATION

JSS Campus, Dr. Vishnuvardhan Road, Bengaluru-560060

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELAGAVI-590018

REPORT ON AICTE ACTIVITY POINTS

Name & USN of the student	Amit Singh
Department, Semester & Section	ISE, 8th Sem 'A'
Entry to Programme	Regular
Activity Points	50 -Regular
Title (s) of Activity undertaken	1. Swachh Bharat Abhiyaan and Spreading Public Awareness under Rural Outreach Program 2. Helping Local School to Achieve Good Result and Enhance Their Enrolment in Higher Education 3. Tourism Promotion Innovative Approaches and Automation of Local Activities
Place (s) of Activity	1. Khazimakan Hosakote Town 2. Government Higher Primary School, Khazimakan Hosakote Town 3. Dodda Hosakote Lake, Bangalore Rural
Date (s) of activity	1. From 09/01/2023 To 22/01/2023 2. From 30/01/2023 To 12/02/2023 3. From 20/02/2023 To 26/02/2023
Number of Weeks or Hours involved	5 weeks
Name of the Mentor	Dr. Rekha P M

JSS ACADEMY OF TECHNICAL EDUCATION

JSS MAHAVIDYAPEETHA, MYSURU

JSS ACADEMY OF TECHNICAL EDUCATION

JSS Campus, Dr. Vishnuvardhan Road, Bengaluru-560060

Department of Information Science and Engineering

CERTIFICATE

This is to certify that Mr. Amit Singh, bearing USN 1JS19IS011 is a bonafide student and has actively involved in bringing awareness about cleanliness, hygiene, education and conducted various surveys and programs and successfully completed the activity undertaken as stated above. This assignment is a part of the AICTE Activity Points Programme and for the partial fulfilment for the award of the degree of Bachelor of Engineering in Information Science and Engineering of Visvesvaraya Technological University Belagavi during the year 2019-2023

Activity Points Earned:

Name and Signature of the Mentor:

Name and Signature of the NSS / NCC / Saansad Adarsh Gram Yojana (SAGY) Coordinator:

Name and Signature of the HOD:

Name and Signature of the Principal:

TABLE OF CONTENTS

Activity No.	Contents	Page No.
Activity 1	Swachh Bharat Abhiyaan and Spreading Public Awareness Under Rural Outreach Programmes	1-4
Activity 2	Helping Local School to Achieve Good Result And Enhance Their Enrolment In Higher Education	5-8
Activity 3	Tourism Promotion Innovative Approaches and Automation Of Local Activities	9-13

ACTIVITY 1

SWACHH BHARAT ABHIYAAN AND SPREADING PUBLIC AWARENESS UNDER RURAL OUTREACH PROGRAMMES

1. Executive Summary or Abstract:

In this activity, I, with the help of others, cleaned the Government Higher Primary School in Hosakote Taluk, Bangalore Rural District and also taught and created awareness about Female Sanitation, Menstruation and Hygiene. We conducted an activity and awareness program in the Khazimakan Hosakote Town from 9th January - 22nd January, 2023.

2. Introduction:

"When there is both inner and outer cleanliness, it approaches godliness"

-Mahatma Gandhi

Swachh Bharat Abhiyan, also known as the Clean India Mission, is a country-wide campaign initiated by the Government of India in 2014 to eliminate open defecation and improve solid waste management. The Swachh Bharat Abhiyan is the most significant cleanliness campaign by the Government of India, covering 4041 statutory towns to clean the country. The campaign has been successful in increasing rural household toilet coverage in India and reducing open defecation. Overall, Swachh Bharat Abhiyan is an important initiative that aims to create a clean and healthy India by promoting cleanliness, hygiene, and sanitation practices.

Clean schools are essential for promoting a healthy and conducive learning environment in rural areas. Unclean schools can cause children to become sick more often and sap their morale, sending a message that the teachers and faculty members do not care enough about the students to keep the school clean. Hence, clean schools are essential for promoting good health, academic performance, and well-being among rural school children, and it is important to provide access to clean water, sanitation, and hygiene facilities.

Spreading public awareness under rural outreach programs is a process that seeks to inform and educate people about a topic or issue with the intention of influencing their attitudes, behaviours, and beliefs towards the achievement of a defined purpose or goal. The objective of awareness-raising is to mobilize the power of public opinion in support of an issue and thereby create an enabling environment for accountability, promote participatory and inclusive processes for follow-up and review, and build ownership of the 2030 Agenda.

Awareness-raising efforts may include issuing press releases, briefings, and commentaries; disseminating reports, studies, and publications; making written or oral submissions to parliamentary committees and inquiries; working with the media; holding public meetings, workshops, and seminars; and using social media platforms.

Rural outreach programs have been shown to have a positive impact on medical students' future rural intentions and working locations. However, these programs require further refinement and the specific aspects of the programs that are contributing to rural practice need to be explored. Programs should incorporate pre and post surveys to assess the change in participants after the program intervention and to collect important participant characteristic information.

In the context of natural disasters, awareness and preparedness are the most effective prevention and mitigation strategies. The local community coming together for rescue missions and volunteering in relief camps has an enormous impact on the return to normalcy. Public awareness strategies can be used to effectively conduct outreach and promote culturally-sensitive public awareness.

3. Description of activity:

As a part of social activity and also to achieve the activity points, me and my fellow students of JSSATE undertook an initiative to clean the premises of the Government Higher Primary School in Khazimakan Hosakote Town to help improve the condition and environment of the school, and make it a healthy and safe place to study.

We have swept the floor and arranged the books in the classroom to improve the neatness of the classroom. And also have arranged new notebooks for the students in the school. After cleaning the classroom, it is handed over to the school committee.

Next, we conducted an awareness and outreach program to spread awareness about Menstrual Hygiene and Female Sanitation. Upon surveying, we found that a lot of women in under-privileged families did not dispose of menstrual pads properly, and also did not get the budget-friendly pads available in the government clinics. We discussed this issue in local languages with the women and communicated the correct methods to them.

4. Conclusions:

We were able to successfully clean the Government Higher Primary School in Hosakote Taluk, Bangalore Rural District and also taught and created awareness about Female Sanitation, Menstruation and Hygiene dated 9th January - 22nd January, 2023.

5. Outcome or Takeaways from the activity:

From this activity, we learned that it is crucial for underprivileged students to have access to education and opportunities to study. Maintaining clean classrooms is crucial for promoting a healthy and conducive learning environment. A clean classroom minimizes the spread of germs, reduces illnesses, and promotes healthy habits among students. Educated individuals can communicate effectively and have better health outcomes. Offering underprivileged students more than just a merger "stay in school" is necessary to ensure that they have access to the same opportunities as their more affluent peers. Overall, education is a powerful tool for breaking the cycle of poverty and promoting social mobility, and it is essential to provide underprivileged students with the resources and support they need to succeed.

We also understand that female sanitation and menstrual hygiene is crucial for the health and well being of poor women. Poor menstrual hygiene can lead to urinary or reproductive tract infections and affect the well-being of women. Lack of access to menstrual hygiene products and facilities can cause menstrual health needs to go unmet, leading to social and economic inequalities. Disposing of sanitary napkins, the right way is important to prevent the spread of infections and bacteria, as germs thrive on blood exposed for long duration. Burning plastic sanitary napkins causes harmful toxins to be released into the atmosphere, and it is not an environmental-friendly solution. Practicing safe disposal techniques is important for our health and hygiene as well as for the ecosystem, as most of these products are non-biodegradable and can cause environmental pollution. Improving menstrual hygiene and providing access to affordable menstrual materials can

help improve women's access to education, job opportunities, and entrepreneurship, thus unleashing female contributions to the overall economy.

6. Gallery:

Figure: Cleaning of the premise and ground

7. Certificate:

Government of Karnataka

Government Higher Primary School

Khazimakan Hosakote Town, Hoskote Taluk, Bangalore Rural District

DATE: 22/01/2023

Certificate

From All India Counsel for Technical Education New Delhi, Engineering students are supposed to do AICTE Activity point Program in various aspects like plantation, women empowerment, government services, technology skills, water conservation, and carrier guidance etc. in government offices, schools and colleges. The permission is granted by Hosakote BEO office with order Ref: A3/ORDER/08/2021-22 to MARSHEL.

This is to certify that students of BE from **JSS Academy of Technical Education** have cleaned the school and taught the importance of Resource Utilization. Also have taught and created awareness about Female Sanitation, Menstruation and Hygiene. A survey was conducted in school jurisdiction (200 houses) to promote and create awareness about the Menstruation and Hygiene in our **Government Higher Primary School, Khazimakan Hosakote Town, Hosakote Taluk, Bangalore Rural District dated on 09/01/2023 to 22/01/2023.** We appreciate their work and effort to educate, share knowledge and donate for the social cause. The student's names are listed below.

1) Vibhav (1JS18ME103)	2) Anand Bhosle (1JS18ME013)
3) Abhirath Rathod (1JS18ME001)	4) Sneha Mondal (1JS19CS170)
5) Sakshi Sindhuja (1JS19CS143)	6) K.Shanthanu (1JS19ME033)
7) M Seema Reddy (1JS19IS047)	8) Saugat Shrivastava (1JS19IS088)
9) Adwiti Bishwanath (1JS19IS006)	10) Vyomesh Kumar Singh (1JS19EC162)
11) Abhay Shankar (1JS19EC003)	12) Shubh Srivastava (1JS19CS161)
13) Sundeep Kumar Singh (1JS19CS177)	14) Amit Singh (1JS19IS011)
15) Syed Kamruddin Mulla (1JS19EC151)	16) Nikhil (1JS19CS101)
17) Shashank (1JS19CS155)	18) Aryan Rai (1JS19CS034)
19) S Vishwas (1JS19CS140)	20) Asif Nawaz (1JS19CS038)

HEAD MISTRESS
HM
G.U.H.P.S. SCHOOL
KHAZIMAKAAN,
HOSKOTE – 562 114

ACTIVITY 2

HELPING LOCAL SCHOOL TO ACHIEVE GOOD RESULT AND ENHANCE THEIR ENROLMENT IN HIGHER EDUCATION

1.Executive Summary or Abstract:

In this activity, I, with the help of others, spread awareness in the surrounding areas to enrol their children in Government Schools and also teach the parents of the students to allow their children to take higher education and provide career guidance. We also grasped the concept of HAM radio communication. We conducted the activity and awareness program in the Khazimakan Hosakote Town dated 30th January - 2nd February, 2023.

2. Introduction:

Career guidance is essential for underprivileged students as it can help them make informed decisions about their future and develop essential skills to earn a living. Effective career guidance encourages students to reflect on who they are, who they want to become, and to think critically about their career aspirations. Underprivileged children grow up in different environments and have different learning requirements, and education needs to be customized to suit them for maximum participation and impact.

Career exploration and skill development can provide underprivileged students with the guidance and opportunities they need to succeed in life and meet their goals. Education plays a pivotal role in getting higher-paying jobs, and kids who are educated can communicate effectively. Career guidance can help underprivileged students break free from generational poverty and contribute to the growth of society. Thus, career guidance is essential for underprivileged students as it can help them make informed decisions about their future, develop essential skills, and break free from generational poverty.

Providing technical education to poor students in India can be challenging, but there are several ways to address this issue. Technical education programs in rural areas can help students develop the skills and knowledge necessary to succeed in the workforce, and student recruitment and placement are essential elements of high-quality career and technical education programs. Rural schools face special challenges trying to build good career and technical education programs, especially programs that include post-secondary training, but partnerships with local community colleges can help overcome these challenges.

Government schools play a crucial role in helping students in India by providing access to education, which is essential for developing critical thinking, getting higher-paying jobs, and communicating effectively. India has made great strides in increasing literacy rates across the country, and the Right to Education Act 2009 has enabled millions of children to get formal education. However, there are still approximately 8.4 crore children in the 5-17 age group who do not go to school, and it is a matter of grave concern that such a large number of children are not getting educated. Hence, by providing technical education and career guidance, and also by encouraging parents to send their wards to school, we aim to help the under-privileged students find what they are good at so they can achieve their dreams.

HAM radio communication can be an effective means of communication in rural areas where there is no cell connectivity. HAM radio communication requires a license from the FCC to communicate via a HAM radio. In general, flat rural areas have the best range for HAM radio communication, and the more terrain and obstacles there are, the more difficult it becomes to communicate. HAM radio can

be used to send digital messages and computer files, and any and all amateur radio frequencies may be used in an emergency. Hence, it is important for the staff and fellow peers to know more about HAM radio.

3.Description of activity:

As a part of social activity and also to achieve the activity points, me and my fellow students of JSSATE, undertook an initiative to go around the area nearby to spread awareness about the existence of the government school to the houses in the area. We encouraged the under-privileged and minority families in the area to enrol their children in a government school so that their children can not only study, but also eat free lunch in the school every day.

We also provided career guidance to the parents and students about how students can pursue their higher education. We created awareness among the locals about the benefits and learnings from government schools. We also learnt about the HAM radio communication from a government worker who had the license to operate it and taught our peers the usage of it.

4.Conclusions:

We were able to successfully spread awareness in the surrounding areas to enroll their children in Government Schools and also taught the parents of the students to allow their children to pursue higher education and provided career guidance. We also grasped the concept of HAM radio communication dated 30th January - 2nd February, 2023.

5.Outcome or Takeaways from the activity:

From this activity, we conducted awareness that encouraging technological intervention can help lay a foundation for improving the quality of education in rural areas and equip students with the required tools to reach their full potential. The dearth of colleges in rural areas is a pivotal challenge to career and technical education programs, and rural careertech-ed programs often lack the many benefits of partnership with a local community college. Technology can also play a pivotal role in helping education, and we will witness some stark changes in the way institutions provide education to students as technology continues to advance.

Despite these challenges, government schools remain an essential tool for providing access to quality education to underprivileged children in India. And it is our duty as the citizens of this country to encourage more and more students to study in government schools. Ham radio communication can be an effective means of communication in rural areas where there is no cell connectivity. We also discussed how HAM radio communication can be an effective means of communication in rural areas where there is no cell connectivity, and it can offer a whole new world of communication options for emergencies and other situations.

6.Gallery:

Figure: Explaining higher education to under privileged kids and asking them to enrol in government schools

Figure: Government officer conducting technical seminar about HAM Radios

7.Certificate:

Government of Karnataka

Government Higher Primary School

Khazimakan Hosakote Town, Hoskote Taluk, Bangalore Rural District

DATE: 22/01/2023

Certificate

From All India Counsel for Technical Education New Delhi, Engineering students are supposed to do AICTE Activity point Program in various aspects like plantation, women empowerment, government services, technology skills, water conservation, and carrier guidance etc. in government offices, schools and colleges. The permission is granted by Hosakote BEO office with order Ref: A3/ORDER/08/2021-22 to MARSHEL.

This is to certify that students of BE from **JSS Academy of Technical Education** have cleaned the school and taught the importance of Resource Utilization. Also have taught and created awareness about Female Sanitation, Menstruation and Hygiene. A survey was conducted in school jurisdiction (200 houses) to promote and create awareness about the Menstruation and Hygiene in our **Government Higher Primary School, Khazimakan Hosakote Town, Hosakote Taluk, Bangalore Rural District dated on 09/01/2023 to 22/01/2023.** We appreciate their work and effort to educate, share knowledge and donate for the social cause. The student's names are listed below.

1) Vibhav (1JS18ME103)	2) Anand Bhosle (1JS18ME013)
3) Abhirath Rathod (1JS18ME001)	4) Sneha Mondal (1JS19CS170)
5) Sakshi Sindhuja (1JS19CS143)	6) K.Shanthanu (1JS19ME033)
7) M Seema Reddy (1JS19IS047)	8) Saugat Shrivastava (1JS19IS088)
9) Adwiti Bishwanath (1JS19IS006)	10) Vyomesh Kumar Singh (1JS19EC162)
11) Abhay Shankar (1JS19EC003)	12) Shubh Srivastava (1JS19CS161)
13) Sundeep Kumar Singh (1JS19CS177)	14) Amit Singh (1JS19IS011)
15) Syed Kamruddin Mulla (1JS19EC151)	16) Nikhil (1JS19CS101)
17) Shashank (1JS19CS155)	18) Aryan Rai (1JS19CS034)
19) S Vishwas (1JS19CS140)	20) Asif Nawaz (1JS19CS038)

HEAD MISTRESS
G.U.H.P.B. SCHOOL
KHAZIMAKAAN,
HOSKOTE - 562 114

ACTIVITY 3

TOURISM PROMOTION INNOVATIVE APPROACHESAND AUTOMATION OF LOCAL ACTIVITIES

1.Executive Summary or Abstract:

In this activity, I, with the help of others, created Awareness on Tourism Promotion Innovative Approaches and conducted a survey on tourism places and automated local activities in Hosakote Taluk. We conducted the activity and awareness program near the Dodda Hosakote Lake, Bangalore Rural dated 20th February- 26th February, 2023.

2.Introduction:

Promoting tourism in rural areas requires an innovative approach that can help tap into the unexploited potential of these areas. Infusing technology in conducting and practicing rural tourism can be an effective way to promote rural tourism and attract more visitors. An innovative approach to sustainable rural tourism can help unveil local perceptions and attitudes regarding the impacts and benefits of tourism in rural areas. Tourism is one way of creating economic growth and simultaneously creating new jobs in rural regions, and it is essential to tap into the hitherto unexploited potential of these areas. Innovative organization approaches to sustainable tourism can help manage destinations in rural areas effectively and efficiently.

Hoskote is a taluk in Bangalore Rural District. Headquartered at the Hoskote town, it consists of five hoblis - Anugondanahalli, Jadigenahalli, Kasaba, Nandagudi and Sulibele. Agriculture and horticulture are primary occupations of people here, although the industrialization in the recent times in Hoskote and places around has thrown up new opportunities for the people. Hoskote is the largest taluk in Karnataka having 333 villages.

Restoration of lakes is important for several reasons. Lakes have intrinsic ecological and environmental values, and they moderate temperatures and affect the climate of the surrounding area. The restoration of a lake, especially shallow lakes that involve sediment removal, often leads to the eradication of toxic substances and improves water quality. Restoring dried up lakes in Bangalore is a challenging task, but there are several examples of successful restoration efforts that involve community effort, treatment of wastewater, and allocation of funds for restoration.

3.Description of activity:

As a part of social activity and also to achieve the activity points, me and my fellow students of JSSATE, undertook an initiative to survey the Dodda Hosakote Lake, near Hosakote Town. The Bruhat Bengaluru Mahanagara Palike (BBMP) has set aside funds to restore a number of lakes in Bangalore, and it hopes that local communities that live near the lakes will take an active role in maintaining them once the restoration is complete.
The BBMP Lakes Department is responsible for protecting, conserving, reclaiming, regenerating, and restoring lakes in Bangalore, and it has schemes for desilting, deweeding, and constructing pathways/walkways. The BBMP-Lakes has formalized citizen engagement for lake maintenance, and if an active citizen group is willing to maintain the lake, BBMP will develop the lake by providing funds and technical support.
Hence, we conducted a survey and found out that the farms located in the surrounding areas near

the lake, and the residential buildings on the other side of the lake had caused the lake to dry up. The wastewater entering the lake premises from the industries nearby has led to the accumulation of dirt in the lake. We discussed with the nearby farm owners and proposed the idea of community effort to restore Hosakote Lake in a similar manner to the revival of Jakkur Lake.

4.Conclusions:

We were able to successfully create Awareness on Tourism Promotion Innovative Approaches and conducted a survey on tourism places and automated local activities in Hosakote Taluk, near the Dodda Hosakote Lake, Bangalore Rural dated 20th February- 26th February, 2023.

5.Outcome or Takeaways from the activity:

From this activity, we learnt the responsibility and importance of community efforts to maintain our surrounding areas. The BBMP-Lakes department will develop the lake by improving infrastructure, deploying home guards, etc., if an active citizen group is willing to maintain the lake. The restoration of Jakkur lake, with an integrated wetlands ecosystem, is an example of community effort in restoring a lake in Bangalore. Automation of local activities can help in reducing the inflow of sewage and treating wastewater before it enters the water body, which is essential for the restoration of lakes.

Lakes in urban environments play a vital role in increasing biodiversity, aiding with flood control, providing a space for recreation, and helping community businesses thrive. Especially parks with lakes offer a range of recreational activities and can be an excellent spot for relaxation and enjoyment. Hence, a lake in an area can improve the neighborhood by providing opportunities for recreation, increasing biodiversity, aiding in flood control, and positively influencing the water quality of downstream watercourses

6.Gallery:

Figure: Surveying Dodda Hoskote Lake whose stone work was constructed in 1885

Figure: Farms surrounding the lake

7.Certificate:

Government of Karnataka

Government Higher Primary School

Khazimakan Hosakote Town, Hoskote Taluk, Bangalore Rural District

DATE: 22/01/2023

Certificate

From All India Counsel for Technical Education New Delhi, Engineering students are supposed to do AICTE Activity point Program in various aspects like plantation, women empowerment, government services, technology skills, water conservation, and carrier guidance etc. in government offices, schools and colleges. The permission is granted by Hosakote BEO office with order Ref: A3/ORDER/08/2021-22 to MARSHEL.

This is to certify that students of BE from **JSS Academy of Technical Education** have cleaned the school and taught the importance of Resource Utilization. Also have taught and created awareness about Female Sanitation, Menstruation and Hygiene. A survey was conducted in school jurisdiction (200 houses) to promote and create awareness about the Menstruation and Hygiene in our **Government Higher Primary School, Khazimakan Hosakote Town, Hosakote Taluk, Bangalore Rural District dated on 09/01/2023 to 22/01/2023.** We appreciate their work and effort to educate, share knowledge and donate for the social cause. The student's names are listed below.

1) Vibhav (1JS18ME103)	2) Anand Bhosle (1JS18ME013)
3) Abhirath Rathod (1JS18ME001)	4) Sneha Mondal (1JS19CS170)
5) Sakshi Sindhuja (1JS19CS143)	6) K.Shanthanu (1JS19ME033)
7) M Seema Reddy (1JS19IS047)	8) Saugat Shrivastava (1JS19IS088)
9) Adwiti Bishwanath (1JS19IS006)	10) Vyomesh Kumar Singh (1JS19EC162)
11) Abhay Shankar (1JS19EC003)	12) Shubh Srivastava (1JS19CS161)
13) Sundeep Kumar Singh (1JS19CS177)	14) Amit Singh (1JS19IS011)
15) Syed Kamruddin Mulla (1JS19EC151)	16) Nikhil (1JS19CS101)
17) Shashank (1JS19CS155)	18) Aryan Rai (1JS19CS034)
19) S Vishwas (1JS19CS140)	20) Asif Nawaz (1JS19CS038)

HEAD MISTRESS
G.U.H.P.S. SCHOOL
KHAZIMAKAAN,
HOSKOTE - 562 114