VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANASANGAMA, BELAGAVI-590018



REPORT ON AICTE ACTIVITY POINTS

Name & USN of the student	NISHANT PATIL (1JS19ME051)
Department, Semester & Section	MECHANICAL ENGINEERING, 8th Sem & 'B' Sec
Entry to Program	Regular
Activity Points	50
Title (s) of Activity undertaken	 Resource utilization and school cleaning HAM radio communication and career guidance Tourism promotion and survey about tourism places
Place (s) of Activity	 Khazimakan higher primary school Khazimakan higher primary school and Hosakote village Dodda Hosakote lake and Hosakote taluk
Date (s) of activity	1. 09/01/2023 to 22/01/2023 2. 30/01/2023 to 12/02/2023 3. 20/02/2023 to 26/02/2023
Number of Weeks or Hours involved	5 WEEKS AND 200 HOURS
Name of the Mentor	Ms. D N ROOPA



JSS ACADEMY OF TECHNICAL EDUCATION

JSS Campus, Dr.Vishnuvardan Road, Srinivaspura, Bengaluru, Karnataka 560060 2022-2023

JSS ACADEMY OF TECHNICAL EDUCATION, BENGALURU



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that **Mr. NISHANT PATIL** bearing USN **1JS19ME051** is a Bonafede student and has actively involved in bringing awareness / trained / implemented / demonstrated / facilitated and successfully completed the activity undertaken as stated above. This assignment is a part of AICTE Activity Points Program and for the partial fulfilment for the award of degree of Bachelor of Engineering in Mechanical Engineering.

Activity Points Earned: 50

Name and Signature of the Mentor: Ms. D N ROOPA

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

Name and Signature of the HOD: DR. B V RAGHAVENDRA

Name and Signature of the Principal: DR. BHIMASEN SORAGAON



JSS MAHAVIDYAPEETHA

JSS ACADEMY OF TECHNICAL EDUCATION, BENGALURU

Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka, INDIA Approved by All India Council for Technical Education, New Delhi UG programs accredited by NBA: ECE, CSE, ISE, CIVIL, MECHANICAL, IEM, E&IE

Evaluation Sheet for AICTE Activity Points Program (Academic Year: 2022-2023)

Name of the student: NISHANT PATIL USN: 1JS19ME051 Department: MECHANICAL

SEM/SEC: 8th sem, 'B' sec

SL.	Title of the Activity	Place of the Activity	Date of the	Activity	No. of	Type of	Points
NO.			From	То	Hours	Documentary Evidence	Earned
1.	Resource utilization and school cleaning	Khazimakan higher primaryschool	09/01/2023	22/01/2023	80	Certificate	
2.	HAM radio communication and career guidance	Khazimakan higher primary school and Hosakote village.	30/01/2023	12/02/2023	80	Certificate	
3.	Tourism promotion and survey about tourism places	Dodda Hosakote lake andHosakote taluk	20/02/2023	26/02/2023	40	Certificate	

Note:

- For the regular students admitted in 2018-19 & 2019-20 and for the lateral entry students admitted in 2019-20 & 2020-21 shall earn 100 & 75 points respectively for the award of degree through AICTE Activity Point Program.
- As per AICTE guidelines, two weeks (approx. 80-90 hours) of activities by a student account for 20 points. A similar proportion may be used for awarding the points.
- For evaluation of points such as certificate, photographs, brief report on the activity shall be given weightage.

Signature of the Mentor

CONTENT: -

• ACTIVITY -1

Resource utilization and school cleaning

• ACTIVITY-2

HAM radio communication and career guidance

• ACTIVITY -3

Tourism promotion and survey about tourism places

ACTIVITY -1

Resource utilization and school cleaning

ABSTRACT:

Swachh Bharat

Mahatma Gandhi rightly said, "Sanitation is more important than independence". Swachh Bharat-mission was launched by the Government of India to solve the problems of sanitation and waste management in India by ensuring hygiene across the country. The main aim of the project is to create sanitation facilities for all.

ABOUT MY WORK

It was a great experience and my privilege to clean the under privileged government school in Hosakote talk the school was not clean and all the garbage was scattered all around the school premises the dry waste and wet waste was not managed properly the school there was no hygrinemaintained in the school there was water clogged on terrace and all the plant waste was laying allaround classrooms were full dusty and not clean were me and some of my friend took permission to clean the school and was supported by the Marshel NGO team.

OUTCOME:

By this activity, we encourage all to bring about necessary regulatory and policy changes to facilitate the scientific processing of waste and to focus on bringing about behaviors change amongcitizens and encouraging them to segregate waste at source.

CONCLUSION OF THE ACTIVITY:

- 1. This activity helped us to clean the school and give a supportive hand to school studentto maintain the hygiene and their cleanliness which helps them to maintain their healthand hygiene which is one of the most important aspects in a student life.
- 2. Marshel is a superior NGO organization plays unique role in developing hosakote Rural area in terms of education.

3.	We understan	d the	significant	role a	s citizen	of	India	for	supporting	
	SWATCHH B	HARA	АТНАВНІҮ	AN.						



Gallery of photos









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 <u>JSS Academy of Technical Education</u> 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) Hansika M (1JS19IS035)	2) Amulya Lakshmisha (1JS19IS012)
3) Akshay Kumar M (1JS19ME007)	4) Nishant patil (1JS19ME051)
5) K Shrinidhi Bhat (1JS19ME034)	6) Keerthan N (1JS19ME036)
7) Anup P (1JS19ME013)	8) Abhishek V (1JS19ME004)
9) M S Vishranth (1JS19ME044)	10) Karthik A H (1JS19ME035)
11) Kiran Kumar V (1JS19ME038)	12) Keerthi M J (1JS19ME037)
13) Niharika B R (1JS19IM012)	14) Kushal D S (1JS19ME040)

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ACTIVITY-2a

HAM radio communication and career guidance

ABSTRACT

ABOUT TECHNICAL EDUCATION

A career and technology-based education will help your child to be more than just an average student. Career and technology education can give your child what's needed to succeed for life: technical skills, academic skills and employability skills.

ABOUT MY WORK

It was a great experience to share my knowledge about HAM Radio communication and create awareness on how they work. I taught government school students about the HAM Radio communication and technology and where it is used, how it is used and how it works and mainly it is used in military police departments.

How does it work?

Amateur radio operators - and they can be doctors, students, kids, politicians, truck drivers, moviestars, missionaries and what you - share a basic knowledge of radio technology and operating principles, and pass an examination for a license issued by the Federal Communications Commission (FCC). The license allows ham radio operators to operate on radio frequencies allocated by the FCC for use; these frequencies are also known as the "Amateur Bands." Be it through Morse Code on an old brass telegraph key, voice communication on a hand-held radio orcomputerized messages transmitted via satellite, all hams use radio to reach out to the world.

Hams can operate from just above the AM broadcast band to the microwave region, in the gigahertz range. Many ham bands are found in the frequency range that goes from above the AM radio band (1.6 MHz) to just above the citizens band (27 MHz). During daylight, 15 to 27 MHz is said to be a good band for long-distance communications. At night, the ideal band for is 1.6 to 15 MHz These bands are often referred to historically as short-wave bands (representing short-wave radio). Unlike frequencies used by FM radio stations and TV stations, which are line-of-sight and therefore limited to 40 or 50 miles, short-waves bounce off the ionosphere from the transmitter to the receiver's antenna. The higher the frequency is, the shorter the wavelength. Some ham radio operators use the very dependable Morse code, while others rely on voice. Morse code signals (beeps) often get through when voice transmissions cannot.



Fig: Different types of ham radios



Fig: Ruman Sait U (President) explaining about HAM radio

OUTCOME:

Regardless of whether students are headed for college or the workforce, this type of education willhelp them prepare for the future. In fact, this type of technical seminar will help the under privileged to gain more knowledge about the ham radio communication system where it is used and how it works. The government school students were very enthusiastic and eager and were motivated to learn about the technology.

- 1. A ham radio license allows you to communicate over long distances without the internet orcell towers.
- 2. Cell phones and the internet rely on a massive network of cables and giant data centers.
- 3. can use your amateur radio license to volunteer and assist during an emergency.
- 4. Software Infrastructure: communication can fail due to hacking, bugs, and other softwarefailures.
- 5. Learn a new skill to add to your resume.

CONCLUSION OF THE ACTIVITY:

This enables communication across a city, region, country, continent, the world, or even into space. In many countries, amateur radio operators may also send, receive, or relay radio communications between computers or transceivers connected to secure virtual private networks on the Internet.

ACTIVITY-2b

ABOUT CAREER GUIDANCE AND IMPORTANCE OF EDUCATION

Career guidance is a process that helps individuals identify and explore career options, make informed decisions about their future, and develop strategies to achieve their goals. It can be helpful at any stage of life, but it is especially beneficial for young people who are just starting outin their careers.

ABOUT MY WORK

It was interesting to share my knowledge about the career guidance and importance of education in a student life and we were taking a survey about the children's those who are studying and their future plans. We were allowed to spread the knowledge and importance of education to all the people around the hosakote town.

OUTCOME

By this activity, we encourage all to bring about necessary regulatory and policy changes to facilitate the spread the scientific knowledge about career guidance and importance of education to the child which helps in motivating them to join schools and colleges. it also helps to bring change in the Indian economy by creating the next CEO and entrepreneur.

CONCLUSION

- 1. By doing this activity we were able to spread knowledge about education and careerguidance to the kids who were studying in government school.
- 2. Also, we spread the knowledge about the education of a child to their parents which motivated them to send them to school and colleges.

Gallery of photos













Government of Karnataka

Government Higher Primary School

Khazimakan Hosakote Town, Hoskote Taluk, Bangalore Rural District

DATE: 12/02/2023

Certificate

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This is to certify that students of BE from <u>JSS Academy of Technical Education</u> have taught about technical education seminar on HAM radio communication and created awareness on career guidance. A survey was conducted in school jurisdiction to promote and create awareness about the government schools, benefits and facilities provided in our Government Higher Primary School, Khazimakan Hosakote Town, Hosakote Taluk, Bangalore Rural District dated on 30/01/2023 to 12/02/2023. We appreciate their work and effort to educate, share knowledge and donate for the social cause. The student's names are listed

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ACTIVITY-3

ABOUT TOURISM PROMOTION:

Tourism promotion means Trying to encourage the actual and potential customers to travel adestination through the spreading of information. Promotion is one of the most effective marketing mix elements used in marketing a tourist.

About Hosakote:

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



Hosakote lake

Hosakote town is the headquarters of the Hosakote Taluk, and lies at the intersection of NH-4 and NH-207 and as such is a busy town with both resident and floating population. Hosakote has a medical college and research institute known as MVJ Medical College & Research Centre.

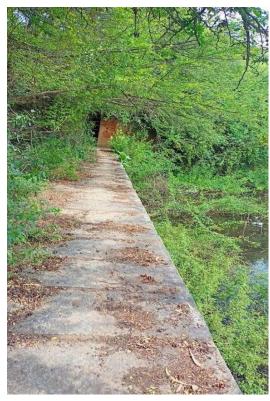




- Tippu Sultan Ancient secret route (lake to Hosakote Town)100m
 length, 2m wide
- Stone work Constructed 1885



(Small lake beside Tippu Sultan route)



(Length of route)

Gallery From Lake Site









OUTCOME:

India is very diversified country in term of foreign invaders, rulers, etc. some special monuments, heritage place in India still in abandon state. So, its responsible for every citizen of India to promoteand bring the government attention about heritage sites in India.

CONCLUSION OF THE ACTIVITY:

- 1. To promote Hosakote Rural area in order, bring the Development in Karnataka tourismsector.
- 2. To educate the people about epic place in Hosakote and explore History.
- 3. To understand solution for the Abandoned ancient heritage place. To analyze financial source for abandoned ancient heritage in India.



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