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I. Projects developed by students to sensitize them on Social issues

Sl No	Project Name	Details	Page. No.
1	Multi-Robot System	Institution students, in association with SIMS (Sapthagiri Institute of Medical Science & Research Center) have developed a Multi-Robot System to Render Service and Surveillance in Hospitals.	2
2	Blind man smart stick	Students of EEE developed a blind man smart stick; an Innovative stick designed for visually disabled people for improved navigation. The advanced blind stick that allows visually challenged people to navigate with ease using advanced technology.	4

II. Extension Activities Carried Out to Sensitize Students on Social Issues

S.NO	Name of the activity	Awareness Created	Page. No.
1	Interaction with School students on effects of pollution.	Awareness on Environment Pollution and its ill effects. Social responsibility	5-6
2	Mega Health Camp	Importance Health check-up, Health awareness, Service to the rural people, Social responsibility	7-9
3	Orientation on Api Culture	Creating awareness in farmers on Honey bee cultivation at low cost.	10-11
4	Education for Everyone	Creating awareness on Education rights in school children and Rural people.	12-13
5	Interacting with Govt. School	Awareness on reuse of paper and	14-15

	students on Paper and Waste recycling.	waste recycling.	
6.	Gender Equality for Bright future	Awareness on Gender equality and equal opportunities for women.	16
7	Awareness on Ill effects of Tobacco.	Awareness on harmful effects of tobacco and smoking.	17-18
8	Campaign on save fuel	Awareness on saving fuel by switching off engine at Traffic signal.	19-21
9	Prevention of domestic violence	Awareness on preventing violence in family and society.	22
10	Prevention of sexual harassment on children.	Child safety, Social responsibility	23
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12	Orientation on organic farming	Awareness on organic farming, Helping farmers for healthy farming.	25-26
13	Awareness on various government schemes available for women.	Awareness on gender equality, Opportunities for rural women.	27-28
14	Blood donation camp	Awareness on donating blood and social responsibility.	29-35
15	Swatch Bharath Abhiyan	Awareness on keeping surroundings clean, Plastic free zone.	36-40

Note: Few sample Reports related to extension activities are enclosed herewith.

Projects Developed By Students to Serve Community

ಔಷಧಿ ಪೂರೈಸಲು ರೋಬೋಟ್

ಬೆಂಗಳೂರು: ಅಸ್ಪತ್ರೆಗಳಲ್ಲಿ ರೋಗಿಗಳ ಆರೈಕೆಗೆ ಕುಶಲವಶಿಯರು ಇಲ್ಲದಿದ್ದರೂ ಇನ್ನು ಚಿಕಿತ್ಸೆ ಮಾಡಲಾಗುತ್ತಿಲ್ಲ. ರೋಗಿಗಳಿಗೆ ಮಾತ್ರ, ವಿಷದ ಪೂರೈಸಲು ರೋಬೋಟ್‌ಗಳನ್ನು ಬಳಸುವುದು.

ಸಪ್ತಗಿರಿ ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ವಿದ್ಯಾರ್ಥಿಗಳು ಇಂತಹ ರೋಬೋಟ್‌ಗಳನ್ನು ಅಭಿವೃದ್ಧಿಪಡಿಸಿದ್ದಾರೆ.

ಕಾಲೇಜಿನ ವಿದ್ಯಾರ್ಥಿಗಳಾದ ವಿನೋದ್‌ವತಿ, ಕೆ.ನಿಶಾ, ಎಂ.ಲಾವಣ್ಯ, ಎಂ. ಅಭಿಲಾಷ್ ಅವರು ಉಪನ್ಯಾಸಕ ಕಾರ್ತಿಕ್ ಎನ್.ಸಿ. ಅವರ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಅಭಿವೃದ್ಧಿಪಡಿಸಿರುವ ಈ ಯಂತ್ರಗಳು ರೋಗಿಗಳಿಗೆ ಸೂಕ್ತ ಸಮಯಕ್ಕೆ ಔಷಧಿ ತಲುಪಿಸುವವು.

ಈ ಕುರಿತು ಶನಿವಾರ ಇಲ್ಲಿ ಸುದ್ದಿಗೊಡ್ಡಿಯಲ್ಲಿ ಮಾಹಿತಿ ನೀಡಿದ ಕಾರ್ತಿಕ್, 'ರೋಬೋಟ್‌ಗಳನ್ನು ಎರಡು ವಿಧದಲ್ಲಿ ವಿನ್ಯಾಸ ಮಾಡಿದ್ದೇವೆ. ಮೊದಲನೆಯದು ಕೇಂದ್ರೀಕೃತ ರೋಬೋಟ್, ಇದರ ಸಹಾಯದಿಂದ



ವಿದ್ಯಾರ್ಥಿಗಳಾದ ಕೆ.ನಿಶಾ, ವಿನೋದ್‌ವತಿ, ಎಂ.ಲಾವಣ್ಯ ಅವರು ರೋಬೋಟ್‌ಗಳನ್ನು ಪ್ರದರ್ಶಿಸಿದರು. ಎಂ.ಅಭಿಲಾಷ್ ಮತ್ತು ಮಾರ್ಗದರ್ಶಕರಾದ ಪ್ರಕಾಂತ್ ಹಾಗೂ ಕಾರ್ತಿಕ್ ಎನ್.ಸಿ. ಇದ್ದರು.

ಇತರ ರೋಬೋಟ್‌ಗಳಿಗೆ ನಿರ್ದೇಶನ ನೀಡುವುದು, ಇದರ ಅದೇಶದಂತೆ ಉಳಿದವು ಕಾರ್ಯನಿರ್ವಹಿಸುತ್ತವೆ. ಇದು ಎಕರಾದಲ್ಲಿ 100 ಚಿಕ್ಕ ರೋಬೋಟ್‌ಗಳನ್ನು ನಿಯಂತ್ರಿಸುವ ಸಾಮರ್ಥ್ಯ ಹೊಂದಿದೆ' ಎಂದು ತಿಳಿಸಿದರು.

'ಸದ್ಯಕ್ಕೆ ಅಸ್ಪತ್ರೆಯಲ್ಲಿ ಬಳಸಲು ಸಹಕಾರಿ ಆಗುವಂತೆ ಈ ಯಂತ್ರಗಳನ್ನು ವಿನ್ಯಾಸಗೊಳಿಸಲಾಗಿದೆ. ಭವಿಷ್ಯದಲ್ಲಿ ಹೆಚ್ಚಿನ ಸೇರಿದಂತೆ ವಿವಿಧ ಕ್ಷೇತ್ರಗಳಿಗೂ ಅನ್ವಯವಾಗುವಂತಹ ರೋಬೋಟ್‌ಗಳನ್ನು ಅಭಿವೃದ್ಧಿಗೊಳಿಸುತ್ತೇವೆ' ಎಂದು ತಿಳಿಸಿದರು.

Multi Robot System to Render Service and Surveillance at Hospitals

Translated Script (Page Number 2)

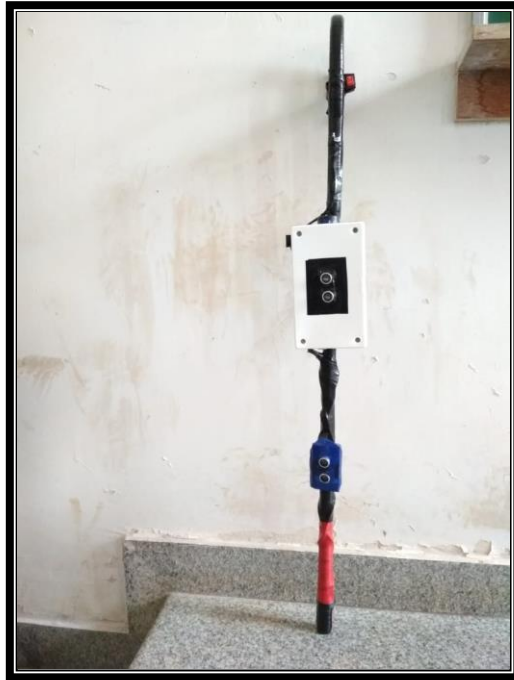
ROBOT TO SERVE MEDICINE

Bengaluru: Now onwards no need to worry in case of the nurse is absent to take care of patient. We can take the help of Robot to serve the tablets and other medicines to patients. Students of Sapthagiri College of Engineering have developed a Robot to serve the purpose. Students from the college, V.Nethravathi, K.Nisha, M.Lavanya and M.Abhilash under the guidance of Karthik.N.C have developed such machines to serve the patients with medicines at the right time. Providing information about this in press conference Karthik told, "We have designed two types of Robots", the first one is a centralized Robot to direct other Robots". "As per the Directions Other Robots will function". "The first Robot has a Capacity of controlling hundreds of small Robots at a time". "At present the machines have been developed for use in Hospitals. In future we will develop Robots for other applications including education" he added.




Students, K.Nisha, V.Nethravathi, Lavanya exhibited these Robots. M.Abhilash and guides, Prashanth & Karthik.N.C were


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057



Blind man Smart Stick



THE NEW INDIAN EXPRESS

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Bengaluru students innovate search-n-rescue robot, smart stick for visually challenged

The Hexapod has unlimited range and is controlled using an internet-connected mobile device from any part of the world.

Published: 30th July 2018 11:14 AM | Last Updated: 08th July 2018 11:58 AM

By Praveen Kumar Venkatesh

BENGALURU: The students of Sapthagiri College of Engineering have developed a Hexapod (six legged robot), a spider-shaped robot — which can be used in search and rescue operations — and also as a Hindman's Smart Stick for easy navigation for the blind.

The Hexapod has unlimited range and is controlled using an internet-connected mobile device from any part of the world. In addition to this, it has live streaming feature, 180-degree movable camera, and temperature sensors to obtain temperature and humidity readings. Arundep Medantelli, one of the inventors of the stick, said, "It can move in all directions at two different speeds.

It also has a siren for communication during rescue operations or in calamities. It can avoid obstacles on its way with the help of Arduino sensor.

The Hexapod can also be used in nuclear power plants for obtaining live temperature readings and for military spying.

The cost of the prototype version is ₹ 20,000, but can be reduced, once produced on a large scale.

"The robot is inspired from the movement of insects and can be used in mining industries", said Ravishankar. The device was designed by Aravind Yashwanth, Harsha H N, Anandraj Mediseti and Deepak Kumar of Sapthagiri College of Engineering.


D500 aid to detect obstacles

Aiming to help the visually challenged gain independence, the students also developed an aid that costs only ₹500, and which can detect obstacles and water to help the user safely navigate roads. The device is integrated with ultrasonic sensors along with water-sensing feature and the ultrasonic transceiver modules help in detecting obstacles in the front, above and below knee-level of the person, using ultrasonic waves. A special feature in this stick is that the sounds produced by the stick are different for obstacles and water detection. Also, radio frequency remotes help in locating the device, if it gets lost. Praveen Kumar H D, one of the four student inventors said, "Every time the person uses the remote, the sound will be emitted, which can be easily heard by visually challenged people since they have a unique ability to follow sounds." The student designers Pulkit K, Praveen Kumar H D, Praveen H and Shilpa H S were thinking of upgrading the prototype since it focused only on static obstacles by infusing dynamic changes which will help the visually challenged to navigate through heavy crowds.

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TNIE | Sapthagiri College of Engineering | robot

Think India 2024



Media helps this initiative for every one's own helping for society

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Chikkasandra, Hesaraghatta Road,
Bengaluru-560 057

COMMUNITY CLUB REPORT

Name of Event	Interaction of Govt. School Students on Environmental Pollution
Date	03-09-2014
Issues addressed	Causes for Environmental pollution and Impact of pollution on living organisms and human society.
Place of the event conducted	Government school at Ivarakandapura

Report:

ECO Club volunteers conducted an event “**Interaction of Govt. School Students on Environmental Pollution**” on **03-9-2014**. The programme was organised by ECO club in association with Community Club. The complete event was co-ordinated by Prof. Varshini K. under the guidance of Prof. Prashanth Kumar H P Convener HASIRU-ECO club and Prof. Ram Kumar M convener Community Club. Also few volunteer students from both community and Eco club participated in the event.

Event was inaugurated by Head master of the school. In the event our staff and students were actively involved with student community. Pre prepared things to explain about environmental pollutions such as drawings, videos and information was properly executed before students in most understandable way.

Our team explained about causes for air pollution, soil pollution, sound pollution, water pollution (lake pollution) and methods to control the pollution. We also shared information about consequences of pollution on society and which type of pollutions causes specific type of disease. Government school students were surprised with facts that we shared and discussed with them especially things which leads and increases the pollution and also their consequences on human health, animals and aquatic animals, etc... Students learnt lot of things from our demonstrations and interactions. They really felt happy with our efforts towards the event. School Head master, teachers and students appreciated our work. Finally, the students promised that they try to control the pollution caused by their family members and neighbours.


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesarghatta Road,
Bangalore-560 057



Principal
Sapthagiri College of Engineering
Chikkasandra, Hesarghatta Road,
Bangalore-560 057

Impact & Sensitization	<ul style="list-style-type: none"> Students learnt about pollution and causes for it. They also learnt about methods to control pollution in the environment.
Faculty Coordinators	Prof. Varshini K.
	Mr. Arun Kumar R

Photos




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Principal
Sapthagiri College of Engineering
Chikkasandra, Hesarghatta Road,
Bangalore-560 057

CHAIRMAN


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesarghatta Road,
Bangalore-560 057



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COMMUNITY CLUB REPORT

Name of the initiatives	"MEGA HEALTH CAMP"
Name and Address of PU College	Triveni School , Bengaluru
Date and duration of the initiative	19-11-2014
Issues addressed	Importance of Health
<p>Report: As per the directions of management and principal sir a team of faculty and in association with <i>Sapthagiri Institute of Medical Sciences & Research centre (SIMS & RC) Bengaluru</i> has organized the "MEGA HEALTH CAMP" at Pragathi P U College Bengaluru. The programme was inaugurated by the principal sir Triveni school and it was Co-ordinated by Prof. Prashanth dept of Bio Technology and staff members Sapthagiri College of Engineering and doctors and nurses from SIMS. The event was gone so nicely because heads of various departments, faculties and around 500 plus students participated in it. Students were leaned about the importance of health that to in particular for students in academic institutions. Students were benefitted from this Health camp event.</p>	
Faculty Coordinators	Prof.Ram Kumar- 9900847119, Prof.Jaydev- 9964246932 Prof.Sanjay Kumar- 8861233349,


 Principal
 Sapthagiri College of Engineering
 Chikkasandra, Hesarghatta Road,
 Bangalore-560 057


 Principal
 Sapthagiri College of Engineering
 Chikkasandra, Hesarghatta Road,
 Bangalore-560 057



Professor Prashanth sir explaining about health for students.



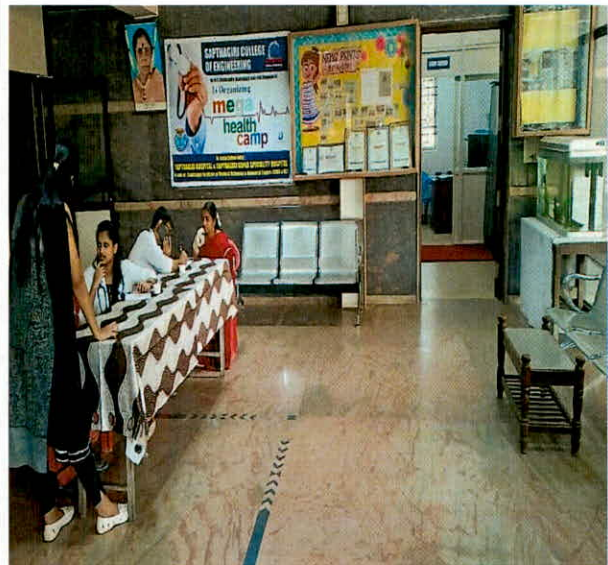
SIMS Doctors are displaying anatomy parts to students


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesarghatta Road
Bangalore-560 057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesarghatta Road,
Bangalore-560 057




General health check-up for students by SIMS Doctors.



General health check-up for staff by SIMS Doctors


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Principal
Sapthagiri College of Engineering
Chikkasandra, Hesarghatta Road,
Bangalore-560 057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesarghatta Road,
Bangalore-560 057

NSS (SWAYAM SEVA)

Name of Event	Orientation on API culture – Honey Bee culture
Date	04-03-2015
Issues addressed	Culturing of Honey bee for commercial purpose
Place of the event conducted	Sri. Nagaraj farm, Hessarghatta village
Report: <p>ECO Club conducted an event “Orientation on API culture” on 04-03-2015, Wednesday at Sri. Nagaraj farm, Hessarghatta village. The event was organised by ECO club and NSS which was co-ordinated by Prof. Ramya under the guidance of Prof. Prashanth Kumar H P Convener HASIRU-ECO club and Sri. Nagaraj, API culturist.</p> <p>Our students and staff were taken to the farm of Sri. Nagaraj at Hessarghatta village to have orientation on Api culture. Sri. Nagaraj and few of his friends explained us about different types of bees, box manufacturing for bee collection, place to be inducted for culturing and so on...</p> <p>Our volunteers learnt many things from the demonstrations and interactions with the experts. All were very happy with our efforts on this orientation program. Lastly, We thanked Sri.Nagaraj and other farmers who briefed us on Api culture and its uses.</p>	
Impact & Sensitization	<ul style="list-style-type: none"> Students learnt about different bees, design and manufacturing of boxes for culturing. They also became familiar with the methods to produce and culture Bees for commercial production.
Faculty Coordinators	Prof. Ramya R


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Principal
Sapthagiri College of Engineering
Chikkasandra, Hessarghatta Road,
Bangalore-560 057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hessarghatta Road,
Bangalore-560 057

Gallery on

"Orientation on API culture" on 03-04-2015, Wednesday



Students been briefed on Api culture by expert



Students curiosity view on Honey bee collection box

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[Signature]
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraiahhatta Road,
Bangalore-560 057

CHAIRMAN

[Signature]
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraiahhatta Road,
Bangalore-560 057

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NSS (SWAYAM SEVA)

Name of the Event organised	Education For Everyone
Date and Day	22/06/2015 and Monday
Collaboration	Human Rights & COMMUNITY CLUB
Issues addressed	Importance and necessity of education for everyone.
Place of the event conducted	Govt. School, Bengaluru.


Report:


As per the direction of Principal, a team of faculty and student volunteers organized an event "Education For Everyone" at Govt. school. The Program was organised and co-ordinated by Mr.Ravi.T (HR Club) in association with Community club along with students from NSS, HR and Community club.

There are cases where the students had discontinued their education, particularly in Govt. Schools for different reasons, one particular reason is lack of financial support to them also and to their parents, especially in few cases parents will force the students to leave the school. Even though students join the school they don't know the importance of continuing the education. In these areas our team as put light and made a good impact over the students by giving various examples. Also the team gave the guidance on various course options, scholarships. To get good recognition and rewards in this competitive world the continuous education is most important. The government is having many good schemes to encourage children to get good education through RTI (Right to Education Act), the same has conveyed to the children. Motivated the children with the sayings of famous personalities like SwamyVivekanandha, BharathaRathna, Sir M.V. BharathaRathna APJ Abdul kalam, KalpanaChawla so on. Article 26 of Human Rights has been explained to students. The students are happy and they asked few questions and were happy with the answers.

Impact & Sensitization	Understood the impact of education for everyone. There was a good impact.
Faculty Coordinators	Prof. Rekha S.N and Prof. Madhushree


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Principal
Sapthagiri College of Engineering
Chikkasandra, Hosanghatta Road,
Bangalore-560 057


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Chikkasandra, Hosanghatta Road,
Bangalore-560 057

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Our college students interacting with govt. School students




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Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

COMMUNITY CLUB REPORT

Name of the Event organised	Interacting with Govt. School students on paper and waste management.
Date and Day	08/04/2016 and Friday
Collaboration	Eco and Health Clubs
Issues addressed	Paper and waste management
Place of the event conducted	Govt. School, Bengaluru
Report: <p>As per the direction of Principal, a team of faculty and student volunteers organized an event “Interacting with Govt. School students on paper and waste management” at Government school, Bengaluru. The Program was organised and co-ordinated by Prof. Ram kumar (NSS Club) in association with Prof. Dhamodharan (Health club), Prof. Ramya (ECO Club) along with students from Community, Eco and Health clubs. There was a good interaction with the students. Basically if the papers are not reused then more number of trees are again made to cut, that leads to deforestation and there by affects the Eco- System. Also by recycling the paper financial burden can be reduced upto some extent. In the same way by waste management including E-waste, chemical waste so on all these waste has to treated or if possible converted to usable form. This will help in keeping the environment healthy and finance too. In this way we addressed the school children and we were successful in winning the mind and heart of the students with this regard.</p>	
Impact & Sensitization	It will help lot to the patient who needs the blood in time.
Faculty Coordinators	Prof. Dhamodharan, Prof. Ramya, Prof. Ram Kumar.


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Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057


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CONVENER

CHAIRMAN


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

SAMARTHINI -Women Empowerment Cell
Government School Visit

“Gender Equity for a Bright future”

The Women Empowerment Cell (WEC) members and student volunteers of Sapthagiri College of Engineering visited the Government Primary School in Ivarakandapura village, Bengaluru on 09/8/2017 in the afternoon to spread awareness about **“Gender Equity for a Bright future”** by Human Chain formation by the school children. This event was managed by the WEC Convener Prof. Prerana Chaithra.

Even now most of the families have male dominance and women are suppressed. Majority of the societies believe in and follow male dominance. Generally in the rural areas many think educating a girl is of no significance. Most of them look at girls as future Home-makers and hence they think no education or little education is enough for them. Some have the fear that if a girl is highly educated then she may dominate the family. More significance is given to the growth of male child and they think only sons enrich the family name. Therefore WEC members spread awareness to the school children about “Gender Equity for a Bright future” so that all genders are encouraged to develop impartially.

This program helped to raise awareness about generating girls’ sense of self-worth, bring awareness about the facilities available to girls and enhance girls ability to contribute in creating a more just social and economic order.



A visit was made by WEC members to the Government Primary School in Ivarakandapura village, Bengaluru on 09-8-2017 to spread awareness about “Gender Equity for a Bright future”


Convener


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

HASIRU-ECO CLUB REPORT


Name of the Event organised	Drive on Tobacco ill effects
Date and Day	16/10/2017, Monday
Collaboration or Association	Health club and community club
Issues addressed	Impact of ill effects like health causing problems and environment causing problems
Place of the event conducted	Seminar hall, SCE
Report: <p>As per the direction of Principal, a team of faculty and student volunteers organized an event "Drive on Tobacco ill effects" at seminar hall, SCE. The Program was organised and co-ordinated by Prof. Prashanth (ECO Club) in association with Prof. Ravishankar M N (Health club) and Dr.TulsiDas D (Community club) along with students from the commiteess like Community, Health and Eco club. All non teaching staff were participated in Drive on Tobacco ill effects and were happy for the act of college students. All Non-teaching staff were came to know about the causing effects of tobacco on health and environment.</p>	
Impact & Sensitization	Awareness about tobacco eating were clarified
Faculty Coordinators	Prof. Chaitra and Prof. Varshini K



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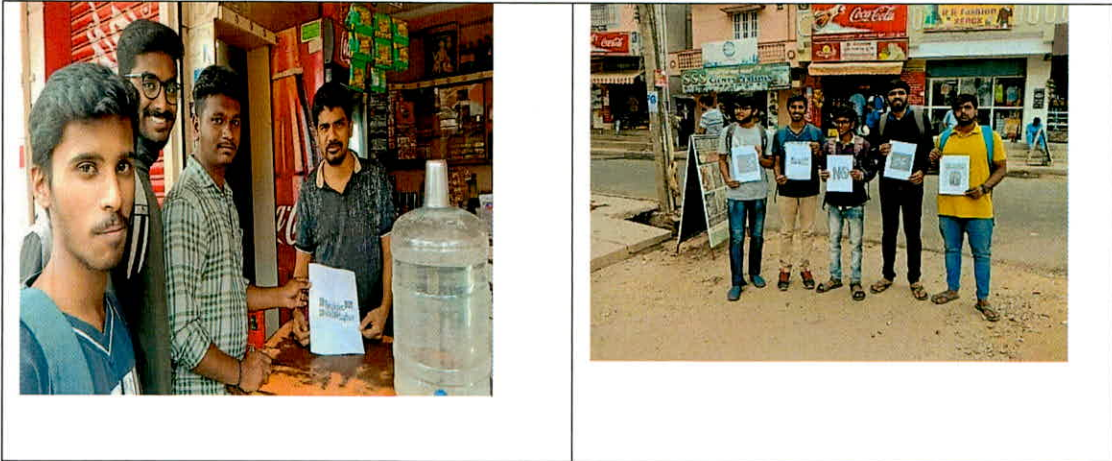


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057



Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road.
Bangalore-560 057

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**Students educating shopkeepers and public on
ILL EFFECTS OF TOBACCO**



[Signature]
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[Signature]
Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057
CHAIRMAN

[Signature]
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru-560 057

HASIRU club report

Name of Event	Save Fuel for Better Environment, Wear helmet/seat belt - save yourself
Date	05/10/2016, Wednesday
Issues addressed	Campaign on Save fuel, wear helmet while riding two-wheeler and fasten your seat belts while driving four-wheeler.
Place of the event conducted	SCE PREMISES AND ROAD

Report:

As per the direction of Principal, a team of faculty and student volunteers organized an event "Save Fuel for Better Environment, Wear helmet/seat belt- save yourself at SCE campus. The Program was organised and co-ordinated by Prof. Prashanth (ECO Club) in association with Prof. Tulsidas (Community club) along with students from both Community and Eco club.

Just because of our negligence and ignorance not only petrol or diesel but all other types of fuel such as natural gas, propane and oil are going to vanish very soon. Here we are with some tips on Save Fuel for Better Environment and Health.

- **While driving your vehicle slow down speed and stick to the speed limit** as speed speeds up the consumption of fuel thereby reducing the fuel economy.
- **Avoid using too much of clutch and unnecessarily** as this would lead to the extra consumption of fuel. Turn off the air conditioner when driving around the city.
- **A proper maintenance of our car is also essential.** Clean the engine oil after a certain mileage as dirty engine oils can cause internal engine friction and lead to the wastage of fuel.

According to statistics mentioned in an article of TOI, 75 percent passenger vehicle users (driver, co-driver and rear) in **India refuse wearing seat belts leading to 15 deaths**

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

every day. Also, in comparison to the US and Europe, seat belt usage stood at 28 percent compliance only.

If a small safety gear can save you from an expensive hospital bill, why not start wearing the helmet at the earliest every time you ride your bike.

According to figures highlighted in an article in 2015 by Gaadiwala, around 57% of Indians refrain from wearing helmets and 74%, pillion riders ignore safety measures. Wearing a helmet is not only a legal compulsion but essential for your own safety.

Helmets reduce injuries to the brain in a high-speed accident. Injuries can cause a concussion, contusions, brain bleeding, etc.

Impact & Sensitization	The campaign instilled the importance of wearing helmet / seat belt and saving of fuel in students as well as the public.
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SAMARTHINI -Women Empowerment Cell

Rural Visit

“Prevention of Domestic Violence to bring about Gender Equity”

The Women Empowerment Cell (WEC) members and student volunteers of Sapthagiri College of Engineering visited Mathkur village which comes under Shivakote Gram Panchayat, Hesaraghatta, Bengaluru North on 28/2/2017 in the afternoon to promote equity by bringing awareness among rural women about **“Prevention of Domestic Violence to bring about Gender Equity”** so that they can have a better and peaceful life.

To prove dominance over women, men in the family use violence as a method of controlling women. They think controlling women will safe guard their power. If a woman opposes the domestic violence or tries to protect others in the family, she will be accused and abused. Unfortunately, some women support and provoke men to be violent with their wife and children. To ease the way of life for rural women WEC members spread awareness to the rural women about “Prevention of Domestic Violence to bring about Gender Equity” so that they can have a better and peaceful life. Instead of violence they can have healthy discussions in resolving problems. Women must bring in the peace in the family and join together to prevent domestic violence instead of becoming culprits or victims. They must revolutionize and bring awareness in the family and prevent domestic violence.


This program helped to raise awareness about generating women’s sense of self-worth, bring awareness about the facilities available to women and enhance women’s ability to contribute in creating a more just social and economic order.



A rural visit was made to Mathkur village, Bengaluru on 28-2-2017 to bring awareness among rural women about “ Prevention of Domestic Violence to bring about Gender Equity ” by WEC members.


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Chikkasandra, Hesaraghatta Road,
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Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
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PRATHIRODHANA-Prevention of Sexual Harassment Cell
Government School Visit

“Prevent Sexual Harassment on Children”

The Prevention of Sexual Harassment Cell (PSHC) members and student volunteers of Sapthagiri College of Engineering visited the Government Primary School in Ivarakandapura village, Bengaluru North on 18/8/2017 in the afternoon to spread awareness about **“Prevent Sexual Harassment on Children”** by Human Chain formation by the school children. This event was managed by the PSHC Convener Prof. Prerana Chaithra. The visit was

In most of the cases sexual harassment on children are committed by the persons close to the children. Many of these pervers will be the child’s relative, neighbor or family friend or from the same locality. These criminals take advantage of the vulnerability of the children. Even the parents and elders ignore the various sexual abuses and harassments children face. In order to bring awareness about each and every person to put effort to prevent such cruel crimes against children PSHC members and student volunteers helped Human Chain formation by the school children to bring awareness about prevention of sexual harassment on children.

This program helped to raise awareness about sexual harassment in its various forms and to build a secure physical and social environment to prevent acts of sexual harassment. To create Zero Tolerance to sexual abuse in any form, be it verbal, physical, electronically transmitted material, etc.



A visit was made by PSHC members to the Government Primary School in Ivarakandapura village, Bengaluru North on 18-8-2017 to spread awareness about “Prevent Sexual Harassment on Children” by Human Chain formation by the school children


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Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

SAMARTHINI - Women Empowerment Cell

Government School Visit

“Importance of Educating a Girl Child to promote Equality”

The Women Empowerment Cell (WEC) members and student volunteers of Sapthagiri College of Engineering visited the Government Primary School in Ivarakandapura village, Bengaluru on 28/8/2018 in the afternoon to spread awareness about **“Importance of Educating a Girl Child to promote Equality”**. This event was managed by the WEC Convener Prof. Prerana Chaithra. The school children and teachers attended the program.

Generally in the rural areas many think educating a girl is of no significance. Most of them look at girls as future Home-makers and hence they think no education or little education is enough for them. Some have the fear that if a girl is highly educated then she may dominate the family. Many think investing money in daughter's education is a waste as they will be married and send away to her in-laws place. Therefore WEC members spread awareness to the school children about “Importance of Educating a Girl Child to promote Equality” so that all genders are educated with equal opportunities. Girls will insist on higher education and also change the rural belief about educating girls. Even boys who are the future men will bring about a revolution and promote education to their sisters, daughters, relatives, etc.

This program helped to raise awareness about generating girls' sense of self-worth, bring awareness about the facilities available to girls and enhance girls ability to contribute in creating a more just social and economic order.



A visit was made by WEC members to the Government Primary School in Ivarakandapura village, Bengaluru on 28-8-2018 to spread awareness about “Importance of Educating a Girl Child to promote Equality”


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Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

COMMUNITY CLUB REPORT

Name of the Event organised	Orientation on Organic Farming
Date and Day	15-02-2019 FRIDAY
Collaboration or Association	ECO CLUB
Issues addressed	Using Organic Farming getting good quality and yield with less cost.
Place of the event conducted	Village near Hesaraghatta Main Road
<p>Report:</p> <p>As per the direction of Principal, a team of faculty and student volunteers organized an event "Orientation on Organic Farming" in the Village near Hesaraghatta Main Road. The Program was organised and co-ordinated by Prof. Prashanth Kumar HP (Eco club) in association with Prof. Tulsidas (Community Club) along with students from both Community and Eco club. The students from different departments of SCE participated in the Orientation on 'Orientation on Organic Farming'. Initially the student coordinators of Eco Club 'Hasiru' told the student participants and faculty went to Village near Hesaraghatta main road inform the villagers and farmers to assemble near agriculture land and briefly started about discussing organic farming, agricultural system that uses ecologically based pest controls and biological fertilizers derived largely from animal and plant wastes and nitrogen-fixing cover crops and also discussed about Organic farming is better for the environment. Organic farming practices reduce pollution, conserve water, reduce soil erosion, increase soil fertility, and use less energy. Farming without pesticides is also better for nearby birds and animals as well as people who live close to farms</p>	
Impact & Sensitization	Farmers learn how to implement organic farming .and using organic farming getting good quality and yield with less cost of

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Sapthagiri College of Engineering
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	production.
Faculty Coordinators	Varshini K Arun Kumar R

Photos

	
Students were briefed about Organic farming by Mrs.B. Nandini Nagraj	
	
Student showing the flower grown using organic fertilizer	


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SAPTHA-SAMATHA

(EQUAL OPPORTUNITIES COMMITTEE (EOC))

REPORT ON

Awareness Program on Government Schemes for Women

Date: 25/04/2019

Agenda: To create “Awareness on Government Schemes to Women” for social backward women.

Objective: The main objective of the program is to create awareness and explain about benefits of Government schemes to social backward society women.

Resolution:

India is a land of customs, tradition and practices which have been developed through centuries to centuries. These customs, tradition and practices become the consciousness of our society. But at the same time, we can't ignore the patriarchal system of our society and male superiority. In fact, principles of gender equality are enshrined in our Constitution. The Constitution of India not only grants equality to women but also empowers the State to adopt measures of positive discrimination in favour of women.



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So, Equal Opportunity Committee of SCE has conducted awareness program on schemes which are given by government for welfare of women from social and economic backward society.

The Schemes such as “One Stop Centre Scheme”, “UJJAWALA”, “Rajiv Gandhi National Creche Scheme for the Children of Working Mothers”, “SWADHAR Scheme”, “Nari Shakti Puraskar” etc., procedure and benefits of these programs.



H.R. Rao
Convener

[Signature]
Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bangalore-560 057

[Signature]
Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

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MEGA VOLUNTARY BLOOD DONATION CAMP



National Service Scheme (NSS Unit) SWAYAM SEVA of Sapthagiri College of Engineering organized a Mega Voluntary Blood Donation Camp for all students of various branches on 18th March, 2019 in Collaboration with Indian Red Cross Society (Karnataka Branch), Bangalore. The inauguration function started with lamp lighting by our beloved Principal Dr.K.L.Shivabasappa, Administrative officer Dr. K.R.Nagabhushana, Chief Convener of IRCS Sri Balakrishna Shetty, President of Lions Club of Bangalore Jnana Yoga Sri. Guruprasad Kuchangi, Dr. Shyam Sundar of Lions Club, Bangalore, NSS Program Officer Dr. Tulsidas D, Program Coordinator Mr. Prashanth Kumar and equally encouraged by Management, HODs of various departments, Staff, Students of Sapthagiri College of Engineering, Bangalore.

**SAPTHAGIRI**
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NATIONAL SERVICE SCHEME
in association with

**INDIAN RED CROSS SOCIETY BLOOD BANK**
LIONS CLUB OF BANGALORE JNANA YOGA 

organizing

**MEGA VOLUNTARY
BLOOD DONATION CAMP**

Date : 18-03-2019, Monday
Time : 9-00 a.m. to 4.30 p.m.

Venue :
New Block Ground Floor (Civil Block)

Inauguration
Sri. G. DAYANAND
Chairman, SCE

Lighting of the Lamp
Sri. G.D. MANOJ
Executive Director, SCE

Presided by
Dr. K.L.SHIVABASAPPA
Principal

Gracious Presence
Dr. NAGABHUSHANA K.R.
(Administrative officer, SCE)

Sri. BALAKRISHNA SHETTY
Chief Convener - Blood Donation
IRCS Karnataka

Sri. GURUPRASAD KUCHANGI
President
Lions Club of Bangalore Jnana Yoga

Dr. D. TULSIDAS
(NSS Co-ordinator)

With Best Compliments from :
Management, Staffs & Students of SCE

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Principal
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INAUGURATION FUNCTION OF BLOOD DONATION CAMP

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Principal
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NSS TEAM



STUDENTS DONATING BLOOD

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Principal
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**HANDOVER OF BLOOD PACKETS TO
THE INDIAN RED CROSS SOCIETY**

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Bengaluru - 560 057

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The Blood Camp was organized by the NSS Unit and Youth Red Cross of Sapthagiri College of Engineering, Bangalore in association with the Indian Red Cross Society on 18th March, 2019. The event was inaugurated at 9:30 am with the lighting of lamp by our beloved Principal Dr.K.L.Shivabasappa, Administrative officer Dr. K.R.Nagabhushana, Chief Convener of IRCS Sri Balakrishna Shetty, President of Lions Club of Bangalore Jnana Yoga Sri. Guruprasad Kuchangi, Dr. Shyam Sundar of Lions Club, Bangalore, NSS Program Officer Dr. Tulsidas D, Program Coordinator Mr. Prashanth Kumar. Our Principal Dr. K L Shivabasappa, Administrative officer Dr. K R Nagabhushana, Dr, Shyam Sundar and Dr. Tulsidas addressed the gathering about the importance and need of blood donation. They also informed about the ways of utilizing this blood for the benefit of others. After listening to the speech given by dignitaries, the students were extremely motivated and encouraged to donate blood.

Students from all the branches of Sapthagiri College of Engineering were asked to register for the Blood Camp at the registration desk, which was set up at the entrance of the academic block. There was an overwhelming response from students and nearly 800 students turned up for registration to donate blood at 10:00 am. The registered students were checked for the medical norms i.e., weight, blood pressure, haemoglobin content and type of blood. The students who were within the medical norms were then sent to the respective rooms where blood was taken. Later the students were given refreshments and made to rest.

Finally, we have recorded a count of 334 blood bags and all of them were handed over to the Indian Red Cross Society. Some of the students were unable to donate blood due the strict medical norms. These students were encouraged to come back in future and donate blood.


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Bengaluru - 560 057


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057



THROUGH HUMANITY TO PEACE

Indian Red Cross Society

Karnataka State Branch



26, "Red Cross Bhavan", 1st Floor, Race Course Road, Bengaluru - 560 001.
Mob : 90350 68435 Ph : 080 1052 (Toll Free) / 080-22268435 / 22340844 / 22264205
Email : irskarnataka@yahoo.in / irkskar@gmail.com

Certificate of Appreciation

This Certificate is presented to

THE NSS UNIT OF SAPTHAGIRI COLLEGE OF ENGINEERING

in recognition of the institution's outstanding efforts
in organizing Voluntary Blood Donation Camp on 18-03-2019
This gesture will save thousands of lives.


RASHMI RAMESH SHETTY
Chairman


Mrs. PRASHANTH CHANDRASHEKAR
General Secretary


Principal
Sapthagiri College of Engineering
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Bengaluru - 560 057


Principal
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Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

THROUGH HUMANITY TO PEACE

ಕರ್ನಾಟಕ ರೆಡ್ ಕ್ರಾಸ್ ರಕ್ತಬ್ಯಾಂಕ್
Karnataka Red Cross Blood Bank
(A UNIT OF INDIAN RED CROSS SOCIETY)

Karnataka State Branch

(CONSTITUTED UNDER ACT XV OF 1920)

Phone : 080 - 22268435

22340844

Fax : 080 - 22284878

Email : ircskarnataka@yahoo.in

ircskar@gmail.com

ircskar@vsnl.net

www.redcrosskarnataka.org

No. IRCS / BB / **/AL/83/2019-20**

Encl :

No. 26, Red Cross Bhavan,
First Floor, Race Course Road
Bengaluru - 560 001

Date : **24.04.2019**

To Whomsoever It May Concern

Dr. TULSIDAS. D., Associate Professor, Department of Mechanical Engineering, Sapthagiri College of Engineering, Bangalore participated as a volunteer in Voluntary Blood Donation Camp organized by Lions Club of Bangalore Jnanayoga in association with Indian Red Cross Society, Karnataka State Branch, Bangalore on 18th March 2019.

He diligently handled the activities assigned to him, took care of the blood donors with good compassion. He certainly added value to our team with his presence as a volunteer.

Dr. TULSIDAS. D's positive attitude and passion towards service to the society, certainly helps him to become a good human being. We wish him all the success in his endeavour.

Smt. Prashanthi Chandrshekar
General Secretary

[Signature]
Convener

[Signature]
Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Chairman

[Signature]
Principal
Sapthagiri College of Engineering
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Bangalore-560 057



SAPTHAGIRI COLLEGE OF ENGINEERING

SWACHH BHARAT ABHIYAN

HASIRU ECO CLUB REPORT

Swachh Bharat Abhiyan (SBA) or Swachh Bharat Mission (SBM) or Clean India Mission in English is a campaign in India that aims to clean up the streets, roads and infrastructure of India's cities, smaller towns, and rural areas. The campaign was officially launched on 2 October 2014 at **Rajghat**, New Delhi by Prime Minister **Narendra Modi**. It is India's largest cleanliness drive to date with 3 million government employees, school students, and college students from all parts of India participating in 4,041 statutory cities, towns and associated rural areas. **Modi has called the campaign "Satyagrah se Swachhagrah" in reference to Gandhi's "Champaran Satyagraha" launched on 10 April 1917.**

In Sapthagiri College of Engineering it was initiated by the **first year students of 2017-18 academic year for creating social awareness. Sapthagiri Community club Collaboration with NSS (SWAYAM SEVA) under the guidance of Dr.B.S.Krishna, HOD, Department of Chemistry. The details were undertaken by the faculty coordinator Dr.Tulsi Das D, Department of Mechanical Engineering and Bharath, Department of Chemistry, Prof. Prashanth Kumar HP(HASIRU, ECO CLUB). Equally encouraged and supported by Dr.K.L.Shivabasappa, Principal, Sapthagiri College of Engineering and Dr. Nagabhusan, Administrative Officer, Sapthagiri College of Engineering.**

The first awareness program initiated by **Sapthagiri Helping hands and NSS** was "Swachh Bharat Abhiyan " to spread the awareness in and around the campus. The materials required for cleaning and sanitation was fulfilled by the college management. **40 students actively participated in the Abhiyan.** Teams were created and were assigned to certain spots around the college campus like **GelayaraBalaga layout and HanumantheGowdru Road., Hesarghatta, Bengaluru on April 07, 2018.** The waste collected was dumped in a specific place and was ensured that the BBMP collected it. We got huge support and encouragement from the local communities. The college management provided refreshments at the end of the Abhiyan. **We are planned to extend our work further with great progress towards the Development of Clean India.**

"Though it is a difficult task, it can be achieved and for that people will have to change their habits." -Prime Minister Narendra Modi

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Principal
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Chikkasandra, Hesarghatta Road,
Bangalore-560 057



THE CAMPAIGN WAS OFFICIALLY LAUNCHED ON 2 OCTOBER 2014 BY PRIME MINISTER NARENDRA MODI.



WHEN CRICKETER VIRAT KOHLI & BOLLYWOOD ACTOR AMITABH BACHAN PICKED UP BROOM TO ACKNOWLEDGE THE SWACHH BHARAT ABHIYAN

Kor
Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bangaluru - 560 057

B
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057



OFFICIAL POSTER FOR THE SWACHH BHARAT ABHIYAN



GROUP PHOTO WITH THE TEAM

[Signature]
Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

[Signature]
Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057



Grabage In The Street Of GelayaraBalaga Layout and Hanumanthe Gowdru Road.

Korh
Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

B
Principal
Sapthagiri College of Engineering
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Students Active Involvement For The Clean Of Hesarghatta Road Campaign.


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Principal
Sapthagiri College of Engineering
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Bengaluru - 560 057

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Sapthagiri College of Engineering
Chikkasandra, Hesarghatta Road,
Bangalore-560 057