



AICTE Activity points @ RV College of Engineering

- A Report



Activity Points for Award of Degree

Preamble:

Apart from technical knowledge and skills, to be successful as professional, students should have excellent soft skills, leadership qualities and team spirit. They should have entrepreneurial capabilities and societal commitment. In order to match these multifarious requirement, AICTE has created a unique mechanism of awarding Activity points over and above the academic grades.

Activity point requirement

Sl.No.	Student category	Activity points prescribed by AICTE
1	Day college regular student admitted to the 4 years Degree programme	100
2	Student entering 4 years degree programme through lateral entry	75
3	Students transferred from other Universities to fifth semester	50

Suggestive activities in teams as per their choice

Sl.No.	Activity Head	Minimum duration		Performance appraisal/Maximum points/activity
		Weeks	Hours	
1.	Helping local schools to achieve good result and enhance their enrolment in Higher/technical/vocational education.	2	80-90	20
2.	Preparing an actionable business proposal for enhancing the village income.	2	80-90	20
3.	Developing Sustainable Water management system.	2	80-90	20
4.	Tourism approaches through innovative approaches.	2	80-90	20
5.	Promotion of appropriate technologies.	2	80-90	20
6.	Reduction in energy consumption.	2	80-90	20
7.	To skill rural population.	2	80-90	20

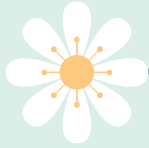


Suggestive activities in teams as per their choice

Sl.No.	Activity Head	Minimum duration		Performance appraisal/Maximum points/activity
		Weeks	Hours	
8.	Facilitating 100% digitized money transactions.	2	80-90	20
9.	Setting of the information imparting club for women leading to contribution in social and economic issues.	2	80-90	20
10.	Developing and managing efficient garbage disposable system.	2	80-90	20
11.	To assist the marketing of rural produce.	2	80-90	20
12.	Food preservation/ packaging.	2	80-90	20
13.	Automation of local activities.	2	80-90	20
14.	Spreading public awareness under rural outreach program	2	80-90	20
15.	Contribution to any national level initiative of Government of India. For eg. Digital India, Skill India, Swachh Bharat Intership etc.	2	80-90	20

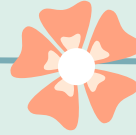


Implementation at RVCE



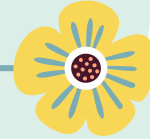
2018-19

Initiated the implementation of AICTE activity point in the month of September 2018.



2019-20

Signed an MoU with Bosch CSR foundation and Ramanagar Taluk office. Also 42 villages allotted by Govt. of Karnataka



At Present RVCE is in collaboration with

- 1. DIET, Ramanagara, Tumkuru**
- 2. Caring with Colors (CSR wing of Toyota Kirloskar)**
- 3. Pranav Foundation (NGO)**
- 4. Youth For Seva (NGO)**
- 5. Agastya International Foundation (NGO)**
- 6. Dheerya Foundation (NGO)**

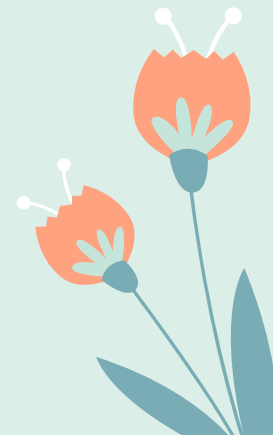
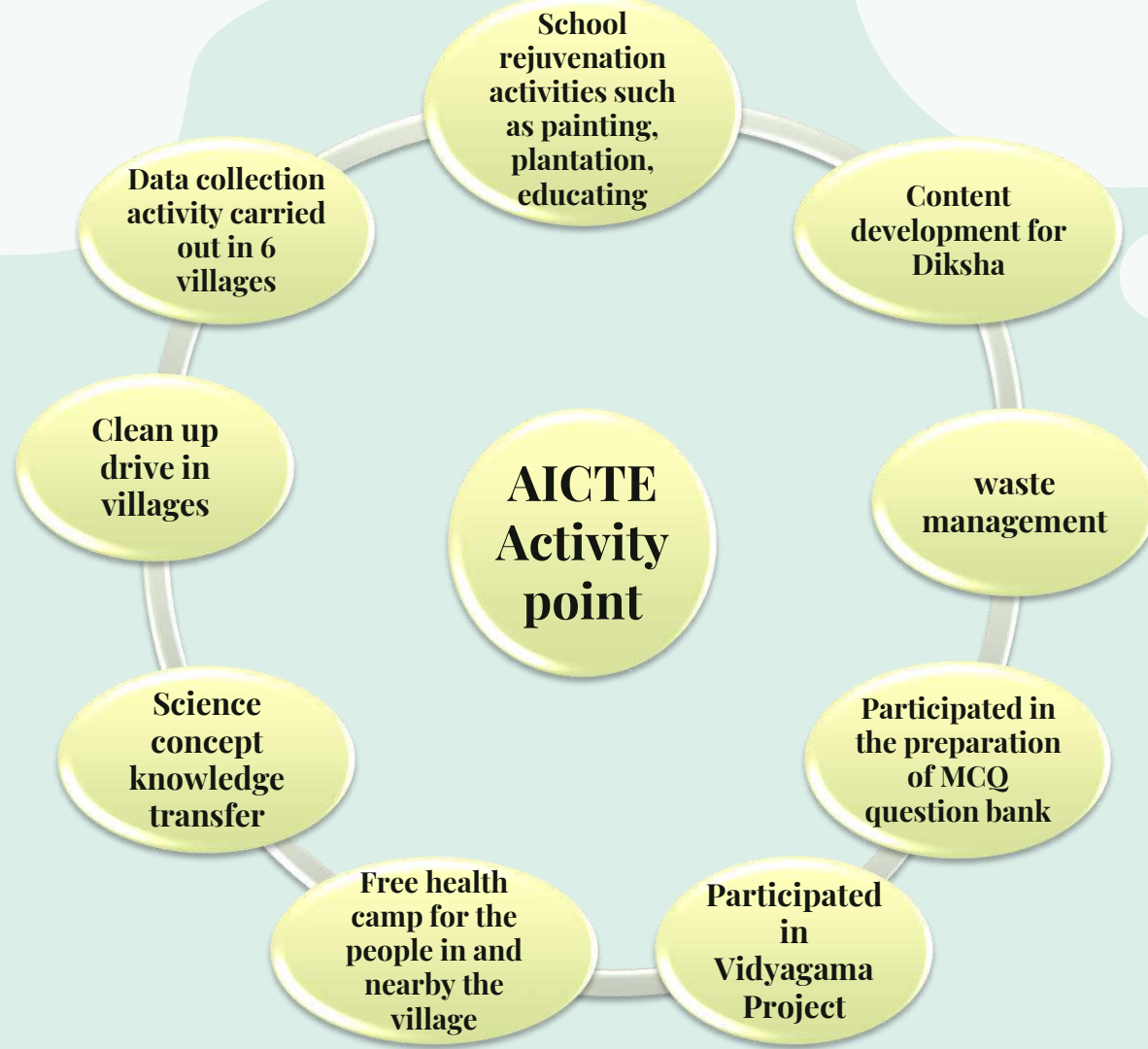
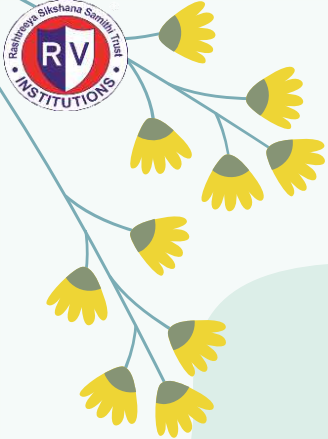
AICTE Activity points

Activities carried till now



Students and Social Service





Activities carried out (2019-20)

Date	Activities
21 st -22 nd , Sept, 2019	<ul style="list-style-type: none">● Electronics and Telecommunication Engineering: 1st Semester Students visited Makali and Honganoor, Ramanagara District Government School● School rejuvenation activities such as painting, plantation, educating
2 nd Oct 2019	<ul style="list-style-type: none">● Computer Science and Engineering: 3rd Semester students● Clean up drive in 3 villages of Ramohalli Gram Panchayat namely Ramohalli, Vinayaka Nagar, Maligondanahalli
19 th Oct 2019	<ul style="list-style-type: none">● Computer Science and Engineering 3rd Semester● Data collection activity carried out in 6 villages of Ramohalli Gram Panchayat namely Ramohalli, Vinayaka Nagar, Gulagunjanahalli, Marugondanahalli, Maligondanahalli, Bettanapalya
19 th - 22 nd Nov 2019	<ul style="list-style-type: none">● Electronics and Instrumentation Engineering, 3rd Semester students visited 4 Govt. Schools in Mkerenahalli, Kakaramanahalli, Ganakal & Bannikuppe● Science concept knowledge transfer to village school students through working prototype

Activities carried(2019-20)

Date	Activities
11 th , 12 th , 18 th Jan, 2020	<ul style="list-style-type: none">● Electronics & Communication Engg: 4th Semester Students visited Kaivara constituency● Free health camp for the people in and nearby the village, and cancer causing symptoms.
25 th , 26 th Jan 2020	<ul style="list-style-type: none">● Electronics & Communication Engg: 4th Semester Students visited Bathalahalli constituency● Examined the people about eye diseases like corneal blindness, Cataract, Squint eyes and Refractive error.
25 th , 26 th Jan 2020	<ul style="list-style-type: none">● Civil Engg : 4th Sem Students volunteers in Lalbagh Flower Show● Students helped SAHAS NGO in waste management during the flower show in Lalbag
11 th Jan 2020	<ul style="list-style-type: none">● Induction Program Phase 2: 2nd Sem students of all branches visited 8 villages near Bidadi to collect information about village and get connected with rural population

Department:
Electronics and
Telecommunication
Engineering,
1st Semester

Name of school:
Makali and
Honganoor,
Ramanagara District
Government School
on 2nd oct 2019

Activity
School rejuvenation
activities such as
painting, plantation,
educating the
students etc.



Department:
Computer Science
and Engineering ,
3rd Semester

Name of village: 3
villages of Ramohalli
Gram Panchayat
namely Ramohalli,
Vinayaka Nagar,
Maligondanahalli. on
2nd Oct 2019

Activity
Clean up drive carried
out by students and
faculty in 3 villages of
Ramohalli Gram
Panchayat namely
Ramohalli, Vinayaka
Nagar,
Maligondanahalli.



Department:
Computer Science and
Engineering , 3rd
Semester

Name of village
5 villages of Ramohalli
Gram Panchayat namely
Ramohalli, VinayakaNagar,
Gulagunjanahalli, Marugon
danahalli, Maligondanahalli,
Bettanapalya on 19th Oct
2019

Activity
Data collection activity
carried out by students and
faculty in 6 villages of
Ramohalli Gram Panchayat
namely Ramohalli, Vinayaka
Nagar,
Gulagunjanahalli, Marugonda
nahalli, Maligondanahalli,
Bettanapalya



Department:
EIE and 3rd
Semester

Name of village

- 1.Mkerenahalli
- 2.Kakaramanahalli
- 3.Ganakal
- 4.Bannikuppe during
19th – 22nd Nov 2019
& 4 Days

Activity

Science concept
knowledge transfer to
village school students
through working
prototype



Wind Turbine



Solar System Model



Solar energy to electrical energy



Hydro Electric Generation

Department:
ECE:4th Semester

Name of village
Kaivara constituency
Mylapura constituency
and Bathalahalli
constituency on 11th 12th
, 18th , 25th , 26th Jan
2020.

Activity
Health Camp and
awareness on Cancer



Camp held for Kaiwara (A) region on 16th January





Students involved in learning activity in Doddabasti Govt. school on 24th Dec, 2019

Activity
Science concept
knowledge
transfer to village
school students
through working
prototype



Conductor and Insulator



Wind Turbine



Solar System Model



Solar energy to electrical energy



Hydro Electric Generation

Activity

Health Camp and awareness on Cancer



Project model demo



Data collection drive



Clean up drive





Online Activities during 2020-22

1

Content development for
Diksha: Digital
Infrastructure For School
Education

2

Content development for
DIET: District Institute of
Education and Training

3

Content development for
various schools in
association with NGO

4

About 550 Students
participated in Vidyagama
Project and taught
government school
children during march
2020

5

Students participated in
Covid awareness
program and also helped
in distribution of mask,
food etc in association
with NSS, NCC, Rotaract
club and NGO

6

Students developed
website for the needy
covid patient to get help



Online Activities during 2020-22

7

Students participated in content uploading to Techopia APP in association with Caring with colors and DIET Ramanagar

8

Students participated in the preparation of MCQ question bank along with online Quiz for SSLC students for Tumukur DIET

9

9) Students are planning to develop project model for class 6,7 and teach English communication, basic computer operation to government school children in association with Tranquil charitable foundation

RVCE students' contribution for SSLC students



ಜಿಲ್ಲಾ ಪಂಚಾಯತ್ ರಾಮನಗರ
ಸಾರ್ವಜನಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆ ರಾಮನಗರ
ಹಾಗೂ
ಕೇರಿಂಗ್ ವಿಥ್ ಕಲರ್ ಮತ್ತು R.V ಕಾಲೇಜ್ ಆಫ್ ಇಂಜಿನಿಯರಿಂಗ್
ಇವರ ಸಹಯೋಗದೊಂದಿಗೆ
SSLC ಪರೀಕ್ಷಾ ಪೂರ್ವಸಿದ್ಧತಾ ಸಂಪನ್ಮೂಲಗಳ
ಕ್ರೋಡೀಕರಣದ ಅನಾವರಣ

Online Activities during 2020-22

MCQ prepared for all subjects of SSLC along with open source QUIZ

MCQ sample:

1) In the triangle ABC , $AB = 6\sqrt{3}$ cm, $AC = 12$ cm and $BC = 6$ cm, then $\angle B$ is

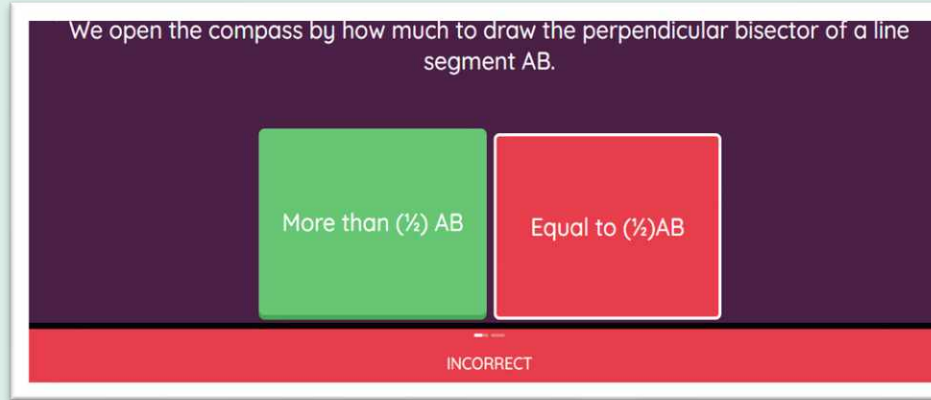
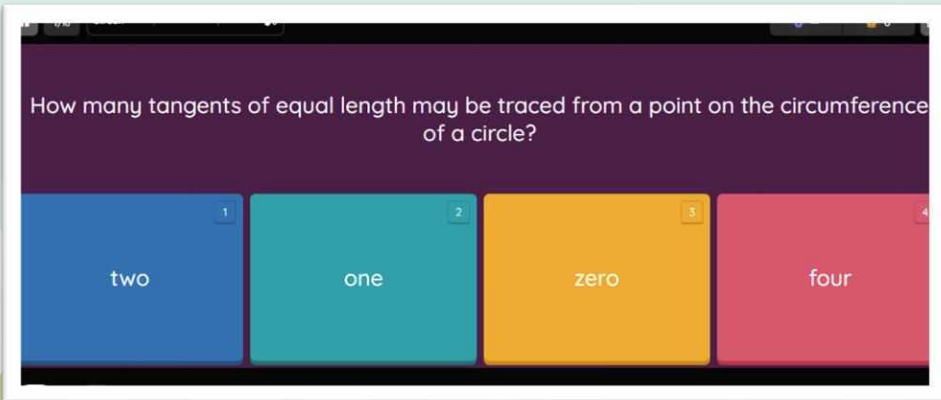
A) 90° B) 60° C) 120° D) 45° Ans: A

2) Another name for Basic Proportionality theorem is

A) Pythagoras theorem B) SAS similarity criterion

C) AAA similarity criterion D) Thales theorem Ans: D

Quiz using Quizzes.com (online free tool)



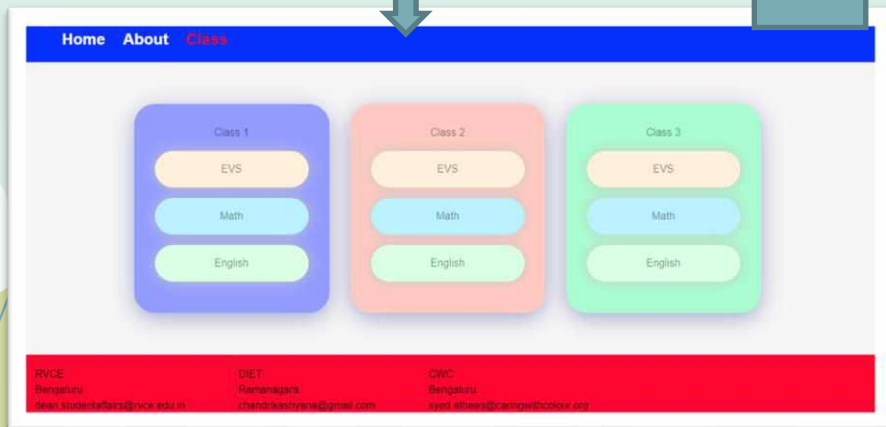
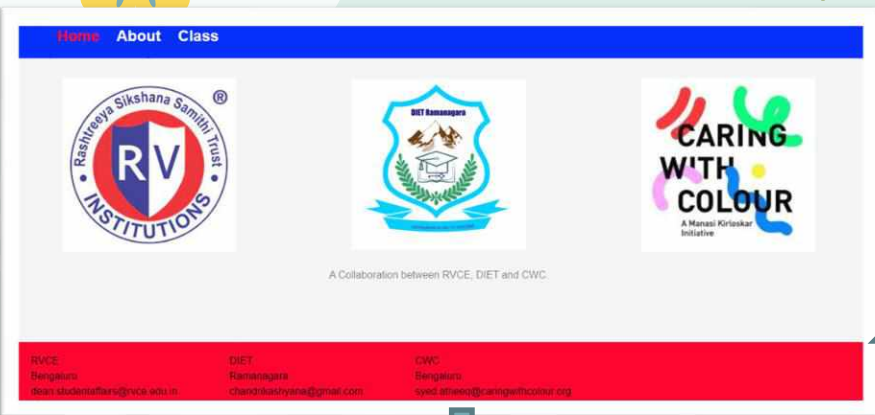
QUIZ 1: link

<https://quizizz.com/admin/quiz/621f27b6809b3a001e1b8fb4>



Online Activities during 2020-22

Website developed for DIET Ramanagar





School Rejuvenation







ಜಿಲ್ಲಾ ಪಂಚಾಯತ್ ರಾಮನಗರ
ಸಾರ್ವಜನಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆ ರಾಮನಗರ
ಹಾಗೂ
ಕೇರಿಂಗ್ ವಿಥ್ ಕಲರ್ ಮತ್ತು R.V ಕಾಲೇಜ್ ಆಫ್ ಇಂಜಿನಿಯರಿಂಗ್
ಇವರ ಸಹಯೋಗದೊಂದಿಗೆ
SSLC ಪರೀಕ್ಷಾ ಪೂರ್ವಸಿದ್ಧತಾ ಸಂಪನ್ಮೂಲಗಳ
ಕ್ರೋಡೀಕರಣದ ಅನಾವರಣ

Content development

Quizzex.com

How many tangents of equal length may be traced from a point on the circumference of a circle?

1

2

3

4

two

one

zero

four





Website for DIET Ramanagar

Home About Class

Chapter 1: Algebra

Chapter 2: Algebra

Chapter 3: Algebra

Home About Class

Chapter 1: Algebra

Chapter 2: Algebra

Chapter 3: Algebra

Home About Class

Chapter 1: Algebra

Chapter 2: Algebra

Chapter 3: Algebra

Home About Class

Chapter 1: Algebra

Chapter 2: Algebra

Chapter 3: Algebra



Activities:2022-23



Students in Empress Girls High School, Tumkur and Koratgere(21/07/2022)

1. Students prepared question bank for NTSC-MAT (mental ability test) NTSC: SAT (science, maths, social)and prepared quiz using quizzes.com for DIET Ramanagar/tumukur July 2022

2. IEEE WIE Student Branch of RVCE organised an awareness programme with the theme of "Menstrual Health Management and Good touch/Bad touch Self defense on 21/07/2022 in Empress Girls High School, Tumkur, Govt Girls High School, Korathge.





Sessions on Career guidance and English communication (20th, 27th aug, 3rd Sept 2022)

1. Students prepared modules for career guidance and took session to students of 9th, 10th standard Government high school, Begur on 20th ,27th August 2022.

2. Students prepared modules for English Communication and took session to students of 9th, 10th standard Government high school, Government higher primary school Begur on 20th ,27th August, 3rd September 2022

RVGE students participated in Career guidance



Career guidance Begur GHS



English Communication Begur GHPS



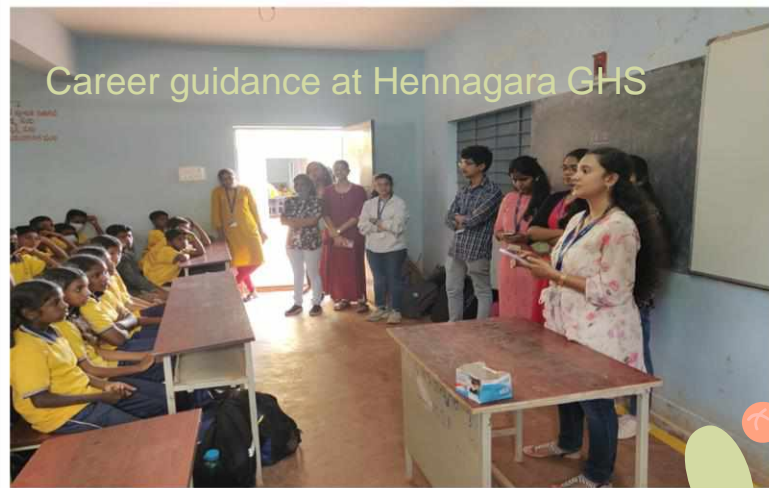
English Communication Begur GHPS



Sessions on Career guidance and project planning (17th sept 2022)

1. 6th Sem Students prepared modules for career guidance and took session to students of 9th standard Government high school, Hennagar on 17th Sept 2022

2. 4th Sem IS Students visited Gubbalala Government school to plan the project assigned by Tranquil Charitable Trust to improve the performance of students on 17th Sept 2022



IEEE-RVCE women empowerment Program(16th Sept 2022)

WIE IEEE RVCE is hosted
Shakthi-a women empowerment
program with an initiative to
empower young girls for a better
future by giving them insights on
various career opportunities,
teaching them self defense
techniques and by throwing light
on menstrual health on 16th sept
22 for Govt high school at
Ramanagara



Training programme on quizziz.com DIET Ramanagar (19th Oct 2022)

RVCE faculty prof. Sneha M (CSE) along with Two students conducted training programme on Quizzes.com for government school teachers on 19th October 22 in association with DIET Ramanagar and Tumkur



Plog Run(22nd Oct 2022)

300 students participated in Plogrun (collection of dry waste while running) near Art of Living kanakapura Road on 22nd October 2022 in association with Pranav Foundation



English Speaking Course(29th Oct 2022)

Biotechnology students are taking English speaking course for Begur government school students.

They engage sessions for 9th standard students. The course started from 29th October 22. Every Saturday for 90 to 120min for 8 weeks. Two students will be in school to manage interactive session while other 4 students will take session from RVCE through online



English Speaking Course(29th Oct 2022)



Chhote Scientist (YFS Program)

“Chhote Scientist” programme launched by Youth for Seva organisation in which the government school students are given the exposure and ideas to various physics and chemistry related fundamentals and experiments.

The programme focuses on better understanding of concepts through playing with experiments and toys made up from simple, cheap and readily available materials. Post experiment discussions about the theme makes this program complementary to the school syllabus also.





Chhote Scientist (YFS Program)

Total 135 students from RVCE are selected for this program, where 15 of 135 are the lead volunteers and the other 120 are volunteers. They visited 10 different schools (8 days), demonstrated the experiments to 5th, 6th, 7th and 8th standard students and explained the science concepts.

An exhibition was arranged in each school and final science fare was organized at RVCE. Prize winners from the Govt schools are invited to RVCE campus and exhibition of their model was arranged on 31st Jan 2023. 55 students from 8 different Schools participated. Prize distribution for top 3 models and campus tour was the key activity of the science fair.





Chhote Scientist (YFS Program)

List of Govt schools :

Herohalli,
Sunkadakatte,
Kamakshipalya,
Andrahalli,
Hegganahalli,
Byadarahalli,
Kadabagere,
Ullal Upanagara
Kengeri Upanagara
Sarakki

Classes covered: 5th to 8th Standard

Duration: Nov, Dec 2022

Number of school students benefitted: 987

Herohalli- 40

Sunkadakatte- 40,

Kamakshipalya- 46

Andrahalli- 60

Hegganahalli- 166

Byadarahalli-102

Kadabagere-365

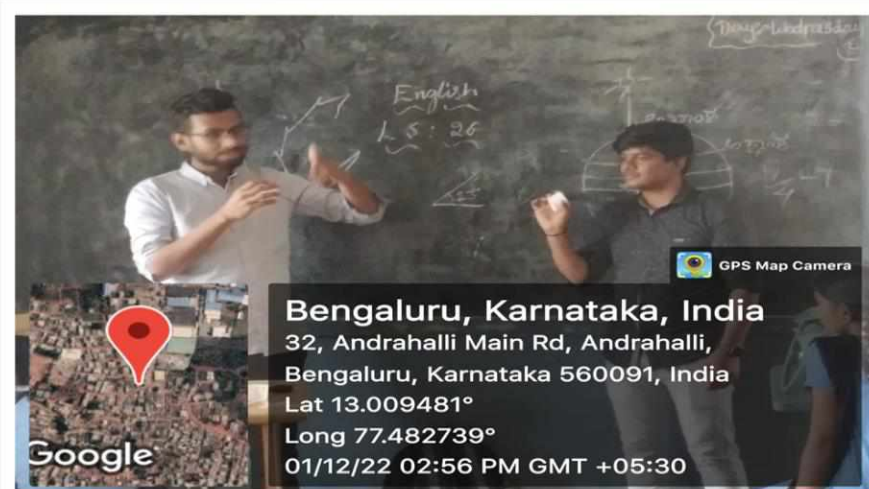
Ullal Upanagara -100

Kengeri Upanagara-48

Sarakki-20



Chhote Scientist (YFS Program)



Science Fair (31st Jan 2023)

Prize winners from the Govt schools are invited to RVCE campus and exhibition of their model was arranged on 31st Jan 2023. 55 students from 8 different Schools participated. Prize distribution for top 3 model and campus tour was the key activity of the science fair

Govt schools participated in Science fair

- 1.Bydarahalli,
- 2.Herohalli,
- 3.Andarhalli,
- 4.Sunkadakatte
- 5.Ullalupanagara,
- 6 Kengeri Upanagara,
- 7 Kamakshipalya,
- 8 Sarakki





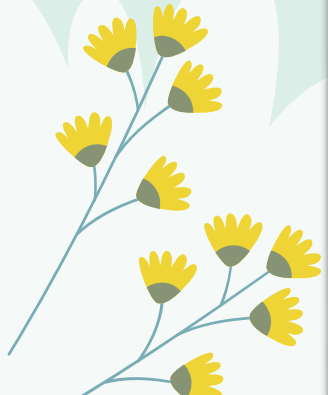
Judges listening to school children



Prize distribution



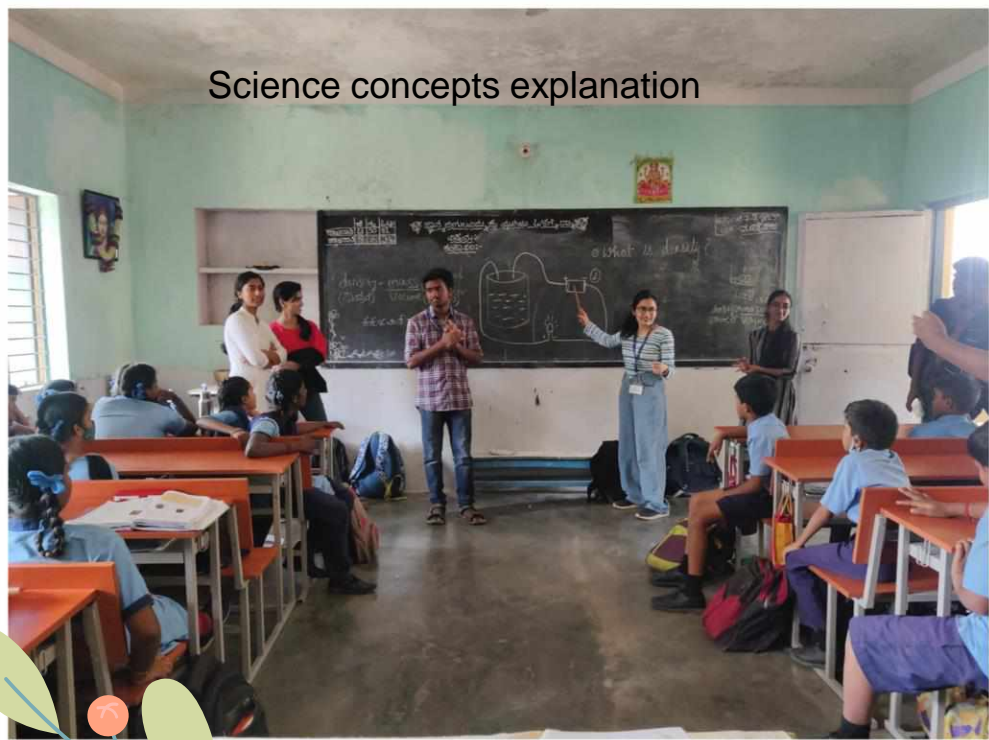
Students listening to address by RVCE Principal



STEM Education to Primary School students (Jan, Feb 2023)

The main objective of STEM education is to Educate school children by doing activity using simple components and make them to understand basic concepts of Science, Maths and technology. Experiments are selected from website hosted by IISER Pune.

RVCE students visited various govt schools in and around Bengaluru, demonstrated the experiments and made them to do the experiments. This activity based learning enhances the learning ability among school students.





STEM Education to Primary School students(Jan, Feb 2023)

List of Schools visited:

1. Avalahalli : 235 students
2. Gollarahatti: 223 students
3. Nagarabhavi: 98 students
4. Channasandra:120 students
5. Chikklasandra:75 students
6. Kumbalagodu: 43 students
7. Dubasipalya:115 students.

Total number of school students benefitted: 909

Classes covered : 6th and 7th standard

RVCE students participated:

5th sem students from EC, CS, IS and ME branch

Duration: Jan, Feb 2023

Glimpses of STEM Education



Glimpses of STEM Education



Glimpses of STEM Education



Glimpses of STEM Education



Resources

1. https://www.iiserpune.ac.in/engage/outreach-and_training/science-activity-centre
2. <https://www.arvindguptatoys.com>
3. <https://www.arvindguptatoys.com/air-and-water.php>
4. <https://www.arvindguptatoys.com/films.html>
5. <https://sites.google.com/acads.iiserpune.ac.in/iiserp-scienceactivitycentre/home?pli=1>
6. <https://sites.google.com/acads.iiserpune.ac.in/iiserp-scienceactivitycentre/subject-wise-activities/physics-activities>
7. <https://sites.google.com/acads.iiserpune.ac.in/iiserp-scienceactivitycentre/subject-wise-activities/mathematics-activities>



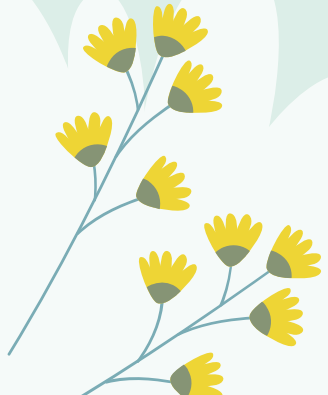
Educating Orphanage children (Jan, Feb and March 2023)



RVCE students in association with Dheerya foundation are helping orphanage children in enhancing their performance in school .

RVCE students visit orphanage home located in Uttarahalli, Anjanpura and JP nagar on sundays (Jan, Feb and March 2023) .

62 students from EE, EI and IEM branch are participating in this activity.





Lake Rejuvenation (2nd Dec 2022 and 7th Jan 2023)

RVCE students participated in painting pavements of lake in Kitaganahalli in association with Pranav Foundation .

Date: 2nd Dec 2022 and 7th Jan 2023



Lake Rejuvenation (2nd Dec 2022 and 7th Jan 2023)





RVCE collaboration

In order to carry out work related to AICTE activity point and to provide opportunity to our students in Social/community service activities, RVCE is in collaboration with the following NGOs/organization.

1. DIET, Ramanagara, Tumkuru
2. Caring With Colors (CSR wing of Toyota Kirloskar)
3. Pranav Foundation (NGO)
4. Youth For Seva (NGO)
5. Agastya International Foundation (NGO)
6. Dheerya Foundation (NGO)





THANK YOU

