

KARNATAK SCIENCE COLLEGE, DHARWAD

(Constituent Science College of Karnatak University, Dharwad)

Department of Physics

Activity Report on the Exposure Visit of Girl students from Government High Schools to the Physics Department of KSCD

General Information

Type of Activity	Extension Activity
Title of the Activity	Exposure Visit of Girl students from Government High Schools to the Physics Department
Date/s	08-01-2025
Time	10.30 am- 12.30 pm
Venue	Different Laboratories in the Department of Physics building of Karnatak Science College, Dharwad
Collaboration/Sponsor (if any)	Swami Vivekananda Youth Movement (SVYM), Dharwad

Presenter Details.

1)

Name	Dr. (Smt.) Nirupama J M
Title/Position	Assistant Professor of Physics
Organization	Department of Physics, Karnatak Science College, Dharwad
Title of Presentation	Demonstration of experiments and equipment in the BSc V & VI Semester Laboratory (Modern Physics Laboratory)

Presenter Details.

2)

Name	Dr. Geeta N Chavan
Title/Position	Assistant Professor of Physics
Organization	Department of Physics, Karnatak Science College, Dharwad
Title of Presentation	Demonstration of experiments and equipment in the BSc Electronics Laboratory/Applied Physics Laboratory

Presenter Details.

3)

Name	Dr. (Smt.) Reshma A Nesargi
Title/Position	Assistant Professor of Physics
Organization	Department of Physics, Karnatak Science College, Dharwad
Title of Presentation	Demonstration of experiments and equipment in the BSc Optics Laboratory/Dark Room

Presenter Details.

4)

Name	Smt. Vishalakshi Shivallimath
Title/Position	Teaching Assistant in Electronics (UG Electronics)
Organization	Electronics Section, Department of Physics, Karnatak Science College, Dharwad
Title of Presentation	Demonstration of experiments and equipment in the BSc Electronics Laboratory

Presenter Details.

5)

Name	Shri. Manjunath Y Hurkadli
Title/Position	Teaching Assistant in Physics (PUC)
Organization	Pre-University laboratory Section, Department of Physics, Karnatak Science College, Dharwad
Title of Presentation	Demonstration of experiments and equipment at the PUC Level in the PUC Physics Laboratory of KSCD

Participants profile

Type of Participants	Students: Girl Students selected from Government High Schools (Exposure Visit)
No. of Participants	72

Synopsis of the Activity (Description)

Highlights of the Activity	Students are made aware of the experiments performed in different laboratories of the Physics department of KSCD
Key Takeaways	<ol style="list-style-type: none"> 1. Performing experiments help the students to understand the subject better 2. Students are motivated to take up Physics as a subject, for their higher education

	<p>3. The students are mainly exposed to theory classes at their high schools. They are now exposed to experiments, using demonstrations by the teachers of KSCD</p> <p>4. Helped to promote scientific temper among girl students studying in Government high schools of Dharwad district.</p>
<p>Summary of the Activity</p>	<p>After taking permission from Professor (Dr.) M S Salunke, the Principal of KSCD, Mrs. Amrutha from the NGO Swami Vivekananda Youth Movement, Dharwad met the HOD of the UG & PG Department of Physics, KSCD, Professor Dr. Blaise Lobo on 07-01-2025 and requested him to make arrangements for an exposure visit by 72 girl students hand-picked from different Government high schools in Dharwad district (including Dharwad, Hubli, Kalaghatagi and Navalgund Taluks). Also, a request was made to arrange experts from the Department of Physics, KSCD to demonstrate experiments and motivate the high school students to take up science for their higher education. Accordingly, the HOD assigned the work to five teachers of the department, namely, the PG/UG Assistant Professors Dr. (Smt.) Nirupama J M, Dr. Geeta Chavan, Dr. (Smt.) Reshma Nesargi, Teaching Assistant Smt. Vishalakshi Shivallimath (UG Electronics) and Shri Manjunath Y Hurkadli (PUC Section: Physics). The students visited the department at 10 30 AM on 08-01-2025 and spent their time fruitfully in the different laboratories of the department of Physics, KSCD, where they were exposed to different experiments and equipment by the concerned teachers. The program hopefully has achieved the intention of the organizers to promote scientific temper among girl students studying in Government high schools of Dharwad district.</p>



Photograph 1. This photograph shows Dr. (Smt.) Nirupama J M, Assistant Professor of Physics, KSCD and the Chairperson of Einstein Study Circle demonstrating experiments in the Modern Physics laboratory of the Department of Physics, KSCD to visiting girl students from different Government high schools of Dharwad district (on an exposure visit to KSCD on 8-1-2025)



Photograph 2. This photograph has been taken in the dark room of the department of physics, KSCD on 8-1-2025, during the exposure visit of girl students from different high schools of Dharwad district. Dr. Reshma Nesargi, Assistant Professor of Physics KSCD is seen demonstrating optics experiments in the dark room of the Optics Laboratory of KSCD



Photograph 3. This photograph shows the demonstration of the working of an electronic circuit by Dr. Geeta Chavan, Assistant Professor of Physics and the Coordinator of the Electronics Section of the Department of Physics, KSCD to the visiting girl students from various high schools of Dharwad district on 8th January 2025.



Photograph 4. Another photograph showing Dr. Geeta Chavan demonstrating an experiment on Applied Physics in the Electronics laboratory of KSCD to the visiting high school students.



Photograph 5. This photograph shows Smt. Vishalakshi Shivallimath, Teaching Assistant in the Electronics Section of the Department of Physics, Karnatak Science College, Dharwad, explaining to the students (Show and Tell) about electronic components



Photograph 6. Shri. Manjunath Y Hurkadli, Teaching Assistant of the Physics Department (PUC Section) explaining to the visiting high school girl students from Government schools of Dharwad district about the experiments performed at the pre-university level in the PUC laboratory of the Department of Physics, Karnatak Science College, Dharwad on 8th January 2025.

Follow-up plan, if any	Students are encouraged to visit the department and involve in experimental work, if they are interested to do so.
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Rapporteur

Name of the Rapporteur	Dr. (Smt.) Nirupama J M
Email and Contact No	nirupamajm@gmail.com +91 9449590654



Photograph 7. Shri. Manjunath Y H, Teaching Assistant of Physics Department (PUC) gave an overview about the Department of Physics, KSCD to the visiting students and explained to them about experiments performed at the PUC 1 and 2 levels in the college, after the completion of high school.



Photograph 8. Shri. Manjunath Y H, Teaching Assistant of the Physics Department, KSCD demonstrating experiments on optics to the visiting high school students from different schools in Dharwad district.



Photograph 9. Another photograph of the event taken in the PUC laboratory of the Department of Physics, KSCD on 08-01-2025



Photograph 10. Dr. (Smt.) Reshma A Nesargi, Assistant Professor of Physics, KSCD explaining to the visiting high school students about optics experiments conducted in the Dark Room of the UG & PG Department of Physics, KSCD



Photograph 11. Dr. Reshma Nesargi demonstrated the production of the spectrum of light from a mercury vapour lamp by using a prism, to the visiting high school girl students from Government high schools from Dharwad district on an exposure tour to Karnatak Science College Dharwad on 8th January 2025



Photograph 12. *Dr. Geeta Chavan, Assistant Professor of Physics and Coordinator of the Electronics Section explaining to the students about the equipment in the Applied Physics/ Electronics Laboratory of the Department of Physics, KSCD*



Photograph 13. *Another photograph showing Dr. Geeta Chavan interacting with the visiting high school students*



Photograph 14. Smt. Vishalakshi Shivallimath, Teaching Assistant of Electronics, Department of Physics, KSCD demonstrating the use of equipment in the Electronics Laboratory to the visiting high school students from different government schools of Dharwad district.



Photograph 15. Another photograph showing Smt. Vishalakshi Shivallimath, Teaching Assistant in the Electronics Section of the Department of Physics interacting with the visiting girl students from different high schools of Dharwad district on an exposure visit to KSCD on 8th January 2025



Photograph 16. Dr. (Smt.) Nirupama J M, Assistant Professor of Physics Department of KSCD demonstrating experiments on Modern Physics to the visiting high school students in the BSc V/VI Semester Laboratory of the Department of Physics, Karnatak Science College, Dharwad (KSCD) on the 8th January 2025



Photograph 17. Smt. Vishalakshi Shivallimath, Teaching Assistant in Electronics, Department of Physics, KSCD explaining the use of electronic components and equipment to the visiting high school students from different Government schools, in the Electronics laboratory of KSCD on 8th January 2025 (Exposure Visit arranged in association with Swami Vivekananda Youth Movement, Dharwad Chapter).



SVYM

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 Dharwad - 580 001
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 Website: www.svym.org

To,

Date: 03-01-2025

Principal
B.Sc Department
Karnataka College Dharwad
Dharwad

Subject: Exposure visit to Karnataka college for Girl students studying in government high schools of Dharwad district.

Respected sir,

Greetings from Swami Vivekananda Youth Movement.

Inspired by Swami Vivekananda and founded in 1984, Swami Vivekananda Youth Movement (SVYM) is a development organization, engaged in building a new civil society in India.

SVYM is serving over three million people in Karnataka through 40 Projects, seven Institutes and 100 plus partners. SVYM's areas of focus are health, education, socio-economic empowerment and training & research. The organization has its headquarters in Mysore district of Karnataka state in Southern India. Acting as a key promoter-facilitator in the community's efforts towards self-reliance and empowerment, SVYM is developing local, innovative and cost-effective solutions to sustain community driven progress. SVYM believes that building human and social capital will result in economic consequences and all of SVYM's programs are driven by this development paradigm. The organization has received 30 national and international awards so far.

Our development approach has resulted in positive economic consequences in the lives of tribal, rural, vulnerable and other marginalized communities that is well documented and publicly and available in our reports.

Under the Education sector we are working with 40 Government High Schools and 30 Primary Schools in Dharwad district (Dharwad, Hubli, Kalaghatagi and Navalagund Talukas) reaching 15,000 students every year. As part of the School Education Program, we planned an exposure visit to your esteemed Collage on 08/01/2025. We are expecting 80 students, 15 teachers & 05 SVYM staffs for this exposure visit. These girl students are studying in 10th or 9th grade of 15 Government High Schools of Dharwad district.

Purpose of this exposure visit is to promote scientific temperament among students of government schools, and to ensure continuity of leaning among students especially rural children through exposure to career options in science stream.

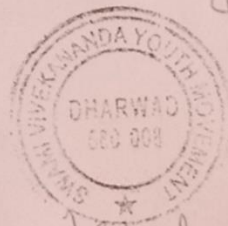
We thank KCD college for providing such a great platform of exposure to these rural students.

Thank you

Ms. Moulya H.Y
Program Manager
 Swami Vivekananda Youth Movement, Dharwad
 Mobile- 6362998405

Note-

The exposure visit will be coordinated by **Ms. Anrutha C Badami**, Senior School Facilitator (SSF) School Education Program (SEP), Dharwad, Swami Vivekananda Youth Movement. **Mobile- 9986009304**



Assigned to:
 1) Dr. Smt. Nirupama JM (BSc V/VI Sem Lab)
 2) Dr. Geeta Chavan (BSc SEC/Ele)
 3) Dr. Reshmi Neeraj (Ophris/Ele Lab)
 4) Mrs. Vahid Shalimatti (Electronics)

Physic/Electronic dept
 Visit Permitted on 08/01/2025
 1030AM

Received
 ML
 3/1/2025

Blaise Kolo
 07/01/2025

Permitted 03/01/25
 Mr. Navem Pyadma
 Toxicologist

HEAD
Department of Physics

Developing Human & Science Capabilities of the Resurgent India

Zoology Museum
 Dr. Zoology
 F.Sc.I