

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

For enhancing learning experiences, the faculty members adopt many ways, for example, lecture method, interactive method, project and field work method, computer-assisted method, experiment method etc. Teaching and learning activities are made effective by these practices. Many teachers use the conventional black-board presentation methods, especially in mathematics and statistics, where they teach subjects as numerical solving. Also, some teachers use modern teaching aids like power point presentations and computer-based materials, maps, charts. Models etc. They also use you-tube contents to make learning interesting besides the conventional oral presenting methods. Some Student centric methods are given below:

Interactive methods: The faculty members make learning interactive with students by motivating student participation in group discussion, subject quiz, discussion and questions and answers on related subjects. After the completion of the class, teachers invite questions or doubts about the topic and clarify their doubts.

ICT Enabled Teaching: ICT enabled teaching includes Wi-Fi enabled class rooms with LCD, Smart Class rooms, etc. The institution adopts modern pedagogy to enhance teaching-learning process. The institution has the essential equipments to support the faculty members and students. Teachers are using ICT facilities in every department for their theory and practical classes.

Student Seminars: The Student are divided in to groups and allotted a seminar topics and are encouraged to present in presence of the concerned teachers and students. This will build the confidence and help in removing stage fear of the students. This activity will certainly make students good communicators over a period of time.

Project methods: The project work stimulate student's interest on the subject and provides student opportunities of freedom of thoughts and free exchange of different views. As per the requirement of syllabi, the project work is done in different departments like BCA, B.Sc. (CS), Geography, M.Sc. Physics, Maths and Chemistry.

Experiential learning: Experimental/Laboratory method is another important problem solving method where students acquaint with the facts through direct experience individually.

The students of Chemistry, Physics, Botany, Zoology, Geology, Criminology, Geography and BCA/B.Sc. (CS) adopt the experimental learning method. In this, students verify the facts and laws of the subject with the help of experiments.

Summer Internship Program: The NSS Swachh Bharat Summer Internship is organized for NSS students. Only 50 student can participate in this program, where they learn about the importance of cleanliness. They do their job of 100 hours in the selected villages. Students are supported and recommended to take summer training programmes in the premier research institutions like, IISc., IIT, NCBI, IISER etc., which will enable the students to understand the recent developments in the field of science and technology and they are motivated to pursue their Ph.D. and develop research as carrier.

Learning Through Social Media: Group Learning method is now being adopted through whatsApp group. Student share their notes and study material through this method. WhatsApp group are made by students or by the contract teacher. They share the information to each other. During Covid-19 Pandemic lockdown, contacting the students through social media groups has helped teachers to improve the student's knowledge and support the learning process.

Traditional Teaching-Learning Method: In addition to the ICT facilities in the college, teachers also use the traditional teaching-learning method using Black-board presentations. Students are also encouraged to use the black-board for solving the problems/presenting student seminars/writing answers/ drawing related diagrams.



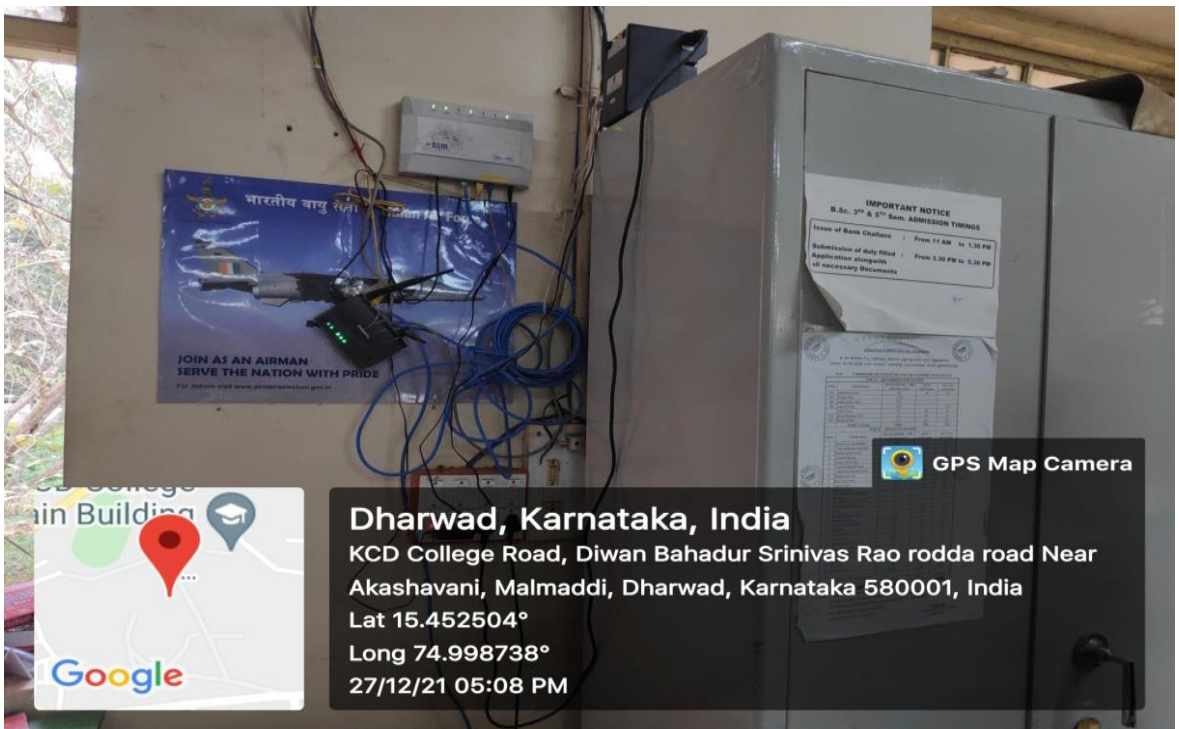
—Principal—
Karnatak Science College
Dharwad.



IT FACILITIES INCLUDING WI-FI in College



IT FACILITIES INCLUDING WI-FI in Central Library



State Level Virtual Students Seminar

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Karnatak University's
KARNATAK SCIENCE COLLEGE
DHARWAD, KARNATAKA



IQAC Initiative

One Day Students Seminar (State Level)
(for UG Science students only)

On

"EFFECT OF COVID ON EDUCATION IN INDIA"
AND
"EFFECT OF COVID ON EMPLOYMENT IN INDIA"

19th January, 2021

Cash Prize : 1st place Rs. 10,000/- for each topic
2nd place Rs. 5,000/- for each topic
3rd place Rs. 2,500/- for each topic

Inauguration

Time: 10.30 AM

Session 1

Time: 11.00 AM to 1.00 PM

Session 2:

Time: 2.00 PM to 4.00 PM

**Validictory &
Prize Distribution**

Time: 4.30 PM

Rules for Participation:

1. From a Degree College having Science stream maximum two students can participate. (One student for each topic given above)
2. The participating students should be necessarily studying UG course in Science stream.
3. Participating students should send registration form duly signed and forwarded by the Principal
4. Online registration form should be submitted on or before 15th January 2021
5. Seminar will be conducted on Zoom Platform
6. Time limit for presentation 8 minutes and 2 minutes for question and answers
7. Participants should use original PPT
8. Judges decision is final
9. Time schedule of the student seminar will sent in advance and participants are required to adhere to that strictly

Meeting Link Will be Provided Later Through Mail or WhatsApp

Students Project Works



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE
DHARWAD
P.G. DEPARTMENT OF STUDIES
IN PHYSICS



CERTIFICATE

This is to certify that the Project dissertation on entitled "*OPTICAL AND ELECTRICAL PROPERTIES OF UV-IRRADIATED PVA-AgNO₃ NANOCOMPOSITES*" is submitted to the Post Graduation Department of physics, Karnatak Science College, Dharwad by Miss.Bharati Gond (18S16009), Mr.Prashant Mane (18S16018), Miss.Pushpa Pujar (18S16020), Miss.Sushma Patil (18S16028), as a partial fulfillment for the award of Master of Science in Physics, Karnataka university, Dharwad during 2019- 2020

Date : 19th October 2020

Place: Dharwad

PROJECT SUPERVISOR
Dr. BLAISE LOBO
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Dharwad

HOD
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Department of Physics
Karnatak Science College,
Dharwad

Examiners:

1.

19-10-2020

2.

3.



Karnatak University's
Karnatak Science College, Dharwad



CERTIFICATE

This is to certify that the project entitled **“SYNTHESIS OF COPPER SULFIDE (CuS) ELECTRODES FOR SUPERCAPACITORS”** submitted by **Miss.MEHJABEEN LAXMESHWAR, Mr.PAVANKUMAR.H.UNKAL, Miss.Y.Y.UDEGODRA** for the partial fulfillment of Master of Science in PHYSICS is based on Results obtained by them under my supervision. The dissertation has not been previously submitted or presented for any degree or diploma.

Project Guide

(Asst. Jyothi.S.Doddamani)

Head of Department

(Dr.G H Mallimath)

Examiner

20-10-20



**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE
DHARWAD
P.G. DEPARTMENT OF STUDIES
IN PHYSICS**



CERTIFICATE

This is to certify that the Project dissertation on entitled "*STUDY ON X-RAY FLUORESCENCE USING LEAD FOIL*" is submitted to the Post Graduation Department of Physics, Karnatak Science College, Dharwad by Miss. Anjum Ainapuri (18S16004), Miss.Naina Dsouza (18S16031), Mr.Vikram Mannari (18S16031) as a partial fulfillment for the award of Master of Science in Physics, Karnatak University, Dharwad during 2019- 2020

Date : 17th October 2020

Place: Dharwad

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17/10/2020

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17/10/2020

Principal,
Karnatak Science College
Dharwad.