

Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD
NAAC Accredited

Phone No: 0836-2215410 & 2215400 Fax: 0836-2744334
 Email: principal.kscd@gmail.com Web: www.kscd.ac.in



2.3.1 -Student centric methods

MODEL MAKING ACTIVITY for B. Sc II Semester students (DSCC) by using biodegradable materials

Model-making competition for B. Sc II Semester (DSCC) Students:

The Department of Zoology conducted a model-making activity at the departmental level for B. Sc II Semester (DSCC) students. The event's objective was to ensure a better understanding of the structural composition of the DNA double helix model. Instead of the routine theoretical representation, the activity made them understand the structural arrangements of the nucleotide bases. The students were asked to select their team members and were allotted models. The students participated with enthusiasm.

The following are the students who participated in the activity.

Sl. No	Name of the student	UUCMS No.	Model assigned
1	Rohit Kumbar	U02AB21S0470	DNA double helix model,
2	Suresh Reddy Meti	U02AB21S0131	Uracil and Cytosine
3	Yesmala Geeta	U02AB21S0012	DNA double helix model & Nucleic acids
4	Shaheen S. Jamalsabanavar	U02AB21S0500	
5	Saraswati S	U02AB21S0434	Structure of DNA, Thymine & Valine
6	Trupti Malabadi	U02AB21S0006	
7	Yashaswini G	U02AB21S0059	Structure of DNA & Glutamine, Cytosine
8	Aishwarya Waderatti	U02AB21S0622	
9	Umme Faziya Bankash	U02AB21S0289	Structure of DNA, Guanine & Thymine
10	Gayatri Bosale	U02AB21S0588	
11	Anusha Naik	U02AB21S0339	Structure of DNA, Uracil, Histamine
12	Praveen Pawar	U02AB21S0028	
13	Goutam Shiragumpi	U02AB21S0651	Structure of DNA, Alanine
14	Swarupanand Patil	U02AB21S0637	
15	Dhanyashree Naik	U02AB21S0373	Structure of DNA, Alanine
16	Savita Pujer	U02AB21S0015	
17	Bhagyashree	U02AB21S0509	Structure of DNA, Alanine
18	Sanjana More	U02AB21S0572	
19	Radhika M. N	U02AB21S0679	Structure of DNA, Alanine

(Signature)

Staff in-charge: Dr. (Smt) Neeta N Kari

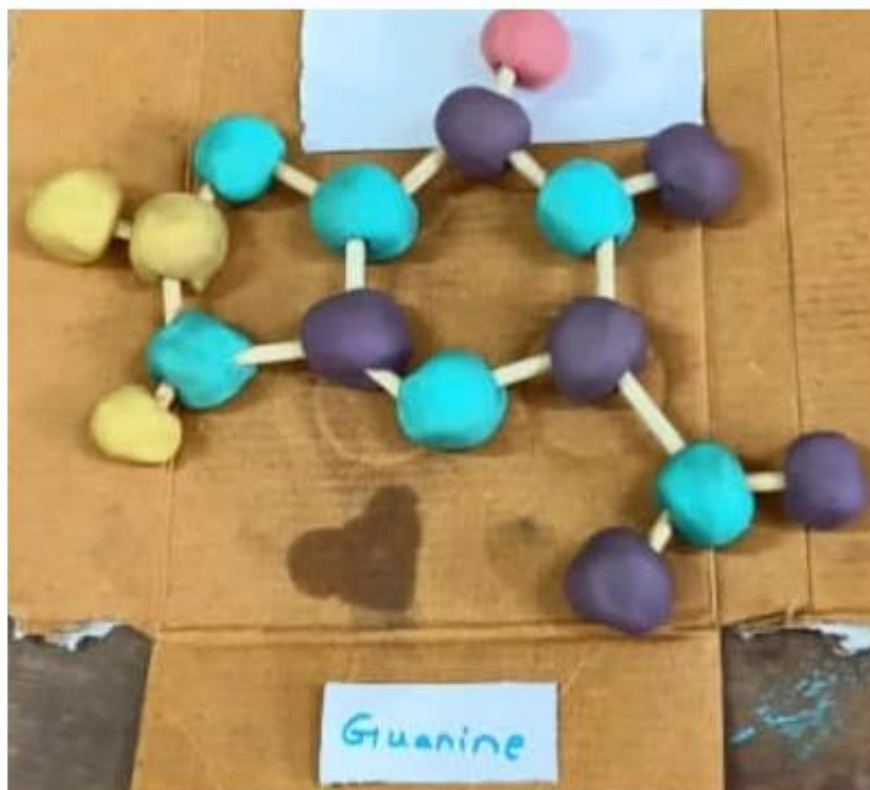
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HOD, ZOOLOGY

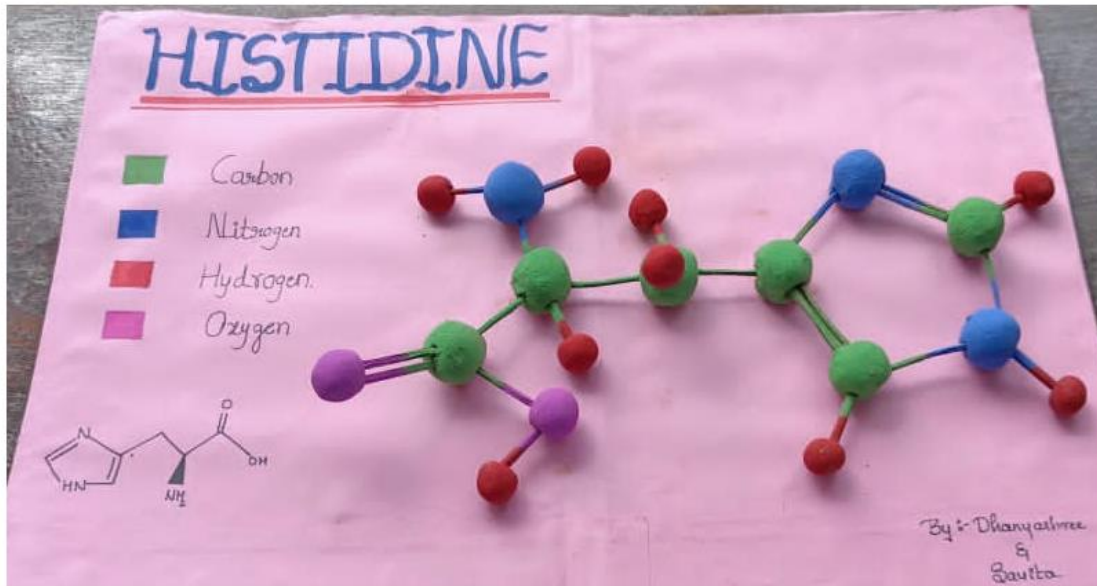
Model-making activity by using biodegradable materials: Department of Zoology



Structure of DNA helix model Valine & Thymine:
B. Sc II Sem. DSCC Trupti Malabadi, Yashaswini G, Aishwarya W



Praveen Pawar, Goutam Shiragumpi, Swarupanand Patil
B. Sc II Semester DSCC



Dhanyashree Naik & Savita Pujer, B. Sc II Semester DSCC



Anusha Naik, Umme Faziya Bankash & Gayathri Bosale
B. Sc II Semester, DSCC

Preparation of Charts : Department of Industrial Fish & Fisheries

Cirrhinus Mrigala (Cirrhinus mrigala)

Submitted by
Gajrajali M. G.
Bac Set gemetta
2021, KJ Somaiya
Dharamdas
Submitted To,
Gemetta, G. Chhabra
Dpt. Zoology

2021-2022

* Kingdom :- Animalia.

* Phylum :- Chordata.

* Class :- Actinopterygii



* Order :- Cypriniformes

* Family :- Cyprinidae.

* Sub family :- Labroninae.

* Genus :- Cirrhinus

* Species :- mrigala.





Economic Importance	Habit	Habitat
<p>* Mrigala fish is one of the 3 Indian major carp fish species, cultivated widely in Southeast Asian countries. It has long important in polyculture with other native fish species.</p> <p>* It is a very important fish species in aquaculture and used as food.</p> <p>* It is always marketed in fresh condition & it command a good market price and consumer demand.</p>	<p>* It is a bottom feeder and omnivorous. The tentacles are adopted for picking up things from the bottom (mud). Hatchlings feed on Rotifer (Brachionoid), Cladocera (Moina Daphnia), Copepod (Nauplius, cyclops & Dytomus) and phytoplankton (Chlorella, Endocella, Ephyra and Microcystis).</p> <p>* Adult fish feeds on phytoplankton, detritus, debris, sand and mud. In emergency, it takes higher plant matter.</p>	<p>* Mrigala, a carp endemic to Indo-Gangetic riverine system is one of the three Indian carp species cultivated widely in Southeast Asian countries.</p> <p>* This species has long been important in polyculture with other native species, mainly in India.</p> <p>* This fish originally found in northern Indian states but also established in southern parts of India. It is also found in Pakistan, Bangladesh & Burma.</p>

Submitted by
Gajrajali M. G.
Bac Set gemetta
2021, KJ Somaiya
Dharamdas
Submitted To,
Gemetta, G. Chhabra
Dpt. Zoology

Cirrhinus mrigala.

Kingdom :- Animalia
Phylum :- Chordata
Class :- Actinopterygii
Order :- Cypriniformes
Family :- Cyprinidae
Sub family :- Labroninae
Genus :- Cirrhinus
Species :- mrigala



1) Profile of Cirrigal :-

* It is a major carp endemic to Indo-Gangetic riverine system, cultivated widely in South east Asian countries. The traditional culture of Indian species was restricted to eastern part.

* Later the species was transplanted in the peninsular riverine systems of India. It is also called as white carp. In addition, mrigala play an important role in the fish culture systems of Bangladesh, Pakistan, Burma, Nepal & Myanmar countries.

* It can reach maximum upto 90 cm in its height & 10 kg in weight. It attain it maturity at 2 years. It feeds on zooplankton, phytoplankton & epiphyton.

* Spawning will take place during monsoon period. Cirrigala lay 1 to 1.5 lakh of egg per kg of its body weight. mrigala usually breeds at a temperature of 24-31°C.

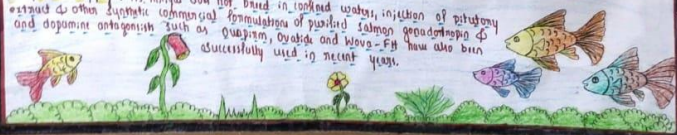
2) External features :-

* Body bilaterally symmetrical & streamlined, its depth about equal to length of head. Ventrals are smaller than head, caudal fin deeply forked, anal fin not extending to caudal fin. Dorsal fin greyish & pectoral, pelvic & anal fins orange-tipped (especially during breeding season).

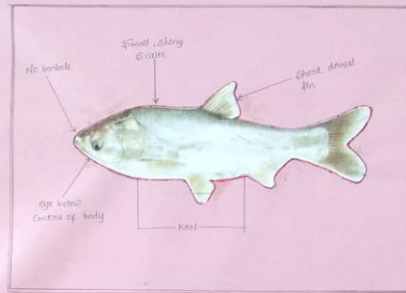
3) Production system :-

* Mrigala is cultured mainly as a component of carp polyculture systems in the ponds of India & Bangladesh, the major production system. Being a bottom feeder, mrigala is usually stocked at 20-30% of the total species stocked in these species culture.

4) Feed Supply :- As mrigala do not breed in fresh water, injection of pituitary extract & other synthetic chemical formulation of purified salmon gonadotropin & and dopamine antagonist such as Quinpirol, Ovabide and Nova-Fit have also been successfully used in recent years.



SILVER CARP (*Hypophthalmichthys molitrix*)



Kingdom: *Animalia*
 Phylum: *Chordata*
 Class: *Actinopterygii*
 Order: *Cypriniformes*
 Family: *Cyprinidae*
 Sub-family: *Neocystine*
 Genus: *Hypophthalmichthys*
 Species: *H. molitrix*

Silver carp

Scientific name - *Hypophthalmichthys molitrix*

CHARACTERS

- Silver carp is introduced to India in 1959 from Japan.
- The silver carp is laterally compressed streamlined body.
- Head is large, scales but whole body is covered with cycloid scales.
- Mouth is large without teeth in jaw, they have parodontal teeth.
- Body is dark greenish grey above on its back and silvery on its side.
- Silver carp can grow upto 30cm and weigh up to 20kg.
- Silver carp mainly feeds on zooplankton and phytoplankton usually feeds on bluegreen algae.
- Silver carp reaches its maturity within 4 years age it may attain its maturity at 2 years.
- Spawning of silver carp mainly take place during monsoon season from June to September, and fertilized egg takes upto 24 hours for its hatching.
- Silver carp is very important species for aquaculture.
- Because it is herbivorous and low in the food chain's food and fertilizers are thus freely available at low cost.
- Silver carp is used commercially mainly for food. But in some places they are also raised for sport fishing.

Submitted to:-

Dr. Sarwan J. Chakri
 Department of Zoology
 Industrial fish and shrimp
 Malabar

Submitted by:-

Soumya S. Johnson
 BSc 3rd Sem
 2022
 Malabar



Labeo Rohita

Scientific classification

Kingdom :- *Animalia*
 Phylum :- *Chordata*
 Sub phylum :- *Ventelabrata*
 Class :- *Osteichthyes*
 Sub class :- *Actinopterygii*
 Infra class :- *Teleostei*
 Order :- *Cypriniformes*
 Species :- *carp family*

Habit and Habitat :- Labeo rohita is commonly found in fresh water. It is column feeders during the early stages of its life cycle it eats mainly zooplankton but as it grows it is mainly vegetarian feeding more on phytoplankton and it's mainly Southeast Asian in different countries like India, Pakistan, Bangladesh, Nepal, Sri Lanka and Myanmar.

Maturation :- Rohu reach sexual maturity between two and five years of age and adult can reach maximum weight of 45kg it attains maturity after second or third year.

Spawning Season :- Rohu generally spawning monsoon seasons usually June to September and fertilized egg will take 24 hours for its hatching.

Fecundity :- Fecundity of rohu is about 1 to 1.75 kg laid eggs per kg of fish's body weight.

Colour :- Rohu is dark grey coloured and its ventral side is silver colour with conspicuous arch head.

Economic importance :- Rohu is a large genus having several species which are of considerable importance as an article of food. Labeo rohita is perhaps the commonest of Indian fish and most generally esteemed for eating purposes. It is also a much domesticated fresh water fish because of its excellence as food.

Submitted by:-
 Dr. Sarwan Chakri Sir
 Jawahar Science College
 Changanassery

Submitted from:-
 Name:- Naganjan Melli
 Roll no:- 2019
 Class:- Bsc 3rd Year

2021-2022

Students' participation in a one-day Extension Program on Skill development and Self-employment for rural students by the Department of Zoology, Dtd. 23-06-2022

One day Extension program 'Skill Development and Self-employment' was organized by the Department of Zoology in association with IQAC, Karnatak Science College, Dharwad on 23-06-2022. The program was designed to educate rural students regarding skill development and self-employment through small-scale cottage industries. Along with the Department of Zoology, the staff from the Microbiology and Industrial Fish and Fisheries section extended their service to the rural students of Lokur village near Dharwad and gave information about the practice of vermiculture, preparation of vermicompost, mushroom culture, and harvest and construction of aquarium and culture of aquarium fish. Three of our teaching faculty members; Prof. Harsha D. Neelgund, Dr. Manohar Pattar, and Dr. Sameer Chebbi were the resource person for the program. The students actively participated in the preparation of models, and charts and also demonstrated.



One day Extension Program on Skill Development and Self-Employment for Rural students by the Department of Zoology and IQAC, Karnatak Science College, Dharwad on 23-06-2022.

Teaching faculty, Dr. (Smt). R.D. Sanakal HOD, Department of Zoology, Microbiology, Industrial Fish & Fisheries and Dr. L.T Nayak, IQAC Coordinator, Karnatak Science College Dharwad along with the student volunteers

List of faculty members participating in the extension program organized by the Department of Zoology addressed to the Principal, Karnatak Science College Dharwad



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
Department of Zoology
Dharwad 580 001, KARNATAKA



E-mail: principal.kscd@gmail.com Phone: 0836-2215410/400. Website: www.karnatakcollege.com

Ref: ZKCD/ 2021-22/

Date: 22-06-2022

To,
The Principal
Karnatak Science College,
Dharwad-01.

Sub: Faculty of Dept of Zoology participation in One day Extension Programme..

Dear Sir/ Madam,

With respect to the above-mentioned subject, I would like to inform you that, we have organized a "One Day Extension Programme On Skill Development And Self Employment For Rural Students" scheduled on 23rd June 2022 at Government High School, Lokur, Dist. Dharwad. The following faculties of Dept. of Zoology are participating in the said programme. This is for your kind notice and needful (enlisted below).

List of participating Faculties:

Sl.no	Name of the Staff
1	Dr. (Smt) R. D. Sankal
2	Dr. S. S. Mangalawede
3	Shri. H. D. Neelgund
4	Sri. S.B. Radder
5	Dr. Neeta Kari
6	Dr. S. G. Chebbi
7	Shri. Ambreesh S.
8	Dr. Manohar Pattar
9	Dr. (Smt) Krithi H.
10	Shri. Vijay H.

Thanking you,

Place: Dharwad

Your's Sincerely,

Bhaukal

HOD, Zoology
Head of the Department
of Zoology,
Karnatak Science College
Dharwad



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[Signature]
Principal
Karnatak Science College

List of student volunteers participating in the extension program organized by the Department of Zoology addressed to the Principal, Karnatak Science College Dharwad



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
Department of Zoology
Dharwad 580 001, KARNATAKA



E-mail: principal.kscd@gmail.com Phone: 0836-2215410/400. Website: www.karnatakcollege.com

Ref: ZKCD/ 2021-22/

Date: 22-06-2022

To,

The Principal ,
Karnatak Science College,
Dharwad-01.

Sub: Letter of Intimation on students' participation in One day Extension Programme..

Dear Sir/ Madam,

With respect to the above-mentioned subject, I would like to inform you that, we have organized a "One Day Extension Programme On Skill Development And Self Employment For Rural Students" scheduled on 23rd June 2022 at Government High School, Lokur., Dist. Dharwad. Along with the staff members, few of the students are participating in the said programme. In this regard, I request you to consider the attendance of the students (enlisted below).

List of participating students:

Sl.no	Roll No.	Name of the student	Combination
1	48	Miss Pushpa Havaragi	Botany, Zoology, Genetics
2	52	Miss Megha Nyamgoudra	Botany, Zoology, Genetics
3	416	Miss Tejaswini Pujeri	Botany, Zoology,
4	168	Miss Sonali Jujagar	Chemistry, Industrial Fish & Fisheries
5	458	Mr. Saiyad Ali Gadag	Zoology, Industrial Fish & Fisheries, Chemistry
6	451	Mr. Akash Lalasangi	Chemistry, Industrial Fish & Fisheries, Mathematics
7	91	Mr. Rajat. R.M	Botany, Industrial Fish & Fisheries, Zoology
8	249	Miss Akhila Gouli	Chemistry, Zoology, Microbiology
9	253	Mr. Kiran Hugar	Chemistry, Zoology, Microbiology

This is for your kind information and consideration. Thanking you,

Your's Sincerely,

[Signature]

HOD, Zoology

Place: Dharwad

Submitted through, The Principal, Karnatak Science College, Dharwad -01.

[Signature]
Head of the Department
of Zoology,
Karnatak Science College
Dharwad

Copy to;

The HOD, Anthropology, K.S.C.D

The HOD, Botany, K.S.C.D

The HOD, Chemistry, K.S.C.D

The HOD, Criminology & Forensic Science, K.S.C.D

The HOD, Geography, K.S.C.D

The HOD, Mathematics, K.A.C.D.

The Co-ordinator, Biotechnology, K.S.C.D

The Co-ordinator, Genetics, K.S.C.D.

The Warden, Kaveri Hostel, K.S.C.D.

The Warden, BCM Hostel, Shivagiri, Dharwad



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[Signature]
BCM hostel

[Signature]
Principal
Karnatak Science College
Dharwad

STUDENTS' PARTICIPATION IN ONE-DAY EXTENSION PROGRAM: 2021-22



Miss Megha Nyamagoudra & Miss Pushpa Havagi of B.Sc II Semester Students explaining the method of preparation of Vermi-pit with the help of models



Miss Akhila Gouli and Mr. Kiran Hugar (B. Sc VI Semester - Microbiology) assisting Dr. Manohar Pattar in preparation of mushroom culture. 23-06-2022 during the one-day extension program held at Government secondary high school, Lokur village.

SEMINAR SESSIONS: MICROBIOLOGY: B. Sc II Semester – DSCC



B. Sc II Semester - Microbiology (DSCC)
Microbiology Laboratory



Seminar Session: B. Sc II Semester - Microbiology DSCC
Z-2 Hall, Department of Zoology.

SEMINAR SESSIONS: B. Sc II Semester – DSCC



B. Sc II Semester (DSCC) Zoology
Venue: Senior Laboratory, Department of Zoology



Seminar Session: B. Sc II Semester Microbiology DSCC
Venue: Z-2 Hall, Department of Zoology- 25-01-2022

STUDENTS PRESENTING SEMINAR USING ICT FACILITY



**Seminar presentation using ICT facility:
B. Sc I Semester - Microbiology DSCC
Venue: Microbiology Laboratory, 27-01-2022**



**B. Sc II Semester students - Industrial Fish & Fisheries (DSCC) presenting seminar
in Industrial Fisheries Laboratory,**

FIELD VISITS:

B. Sc I Semester Students– Skill Enhancement Course (SEC) - Vermiculture



A field visit to the **Vermiculture Unit, University of Agricultural Sciences, Dharwad** by B. Sc I Semester DSCC Zoology students. Dr. (Smt) M.S. Nayak, (HOD Zoology), Mr. Naveen Pyatimani, and Dr. Shekharappa (Resource Person. UAS, Dharwad)



Vermiculture Unit - University of Agricultural Sciences, Dharwad

FIELD VISITS:

B. Sc II Semester Botany DSCC Students to Handibadagnath forest area: 01-07-2022



A field visit to Castle Rock and Handibandagnath Temple area with B. Sc II Semester - DSCC Students.
Dr. C G. Patil and Dr. (Smt) Doris Singh, Department of Botany accompanied the students

FIELD VISITS:

B. Sc II Semester Chemistry (DSCC) at University of Agricultural Sciences, Dharwad



A visit to University of Agricultural Sciences, Dharwad by B. Sc II Semester Chemistry (DSCC) Dr. S.D. Dhumwad (HOD, Chemistry); Dr. M.S. Salunke, *Associate Professor* & Dr. Saraswati Masti, *Associate Professor Chemistry* accompanied the students



Students gathered at the Soil Analysis laboratory of the University of Agricultural Sciences, Dharwad along with the resource person and Dr. M.S. Salunke, Faculty Dept. of Chemistry, Karnatak Science College Dharwad

Internal Quality Assurance Cell (IQAC) initiative, in association with Student Welfare Office (SWO), arranged an **Induction program for B.Sc./ BCA-I semester NEP Students : 2021-22** on 20.11.2021 from 10.30 am- 2.00 pm in SrujanaRangamandira, Karnatak Science College, Dharwad.



Career Guidance Talk to UG Students of Biotechnology by HOD, Department of Bioscience and Bioengineering, IIT DHARWAD organized by Department of Biotechnology, Karnatak Science College, Dharwad on 25-11-2021
Venue: BCA Auditorium, Karnatak Science College campus.



Student Welfare Office (SWO) organized **Vaccination Camp for PUC students** on **12-01-2022** from 11.00 AM to 5.00 PM in PU college, Karnatak Science College Campus, Dharwad.



AKKA Association and SWO of Karnatak Science College, Dharwad organized **Student Counselling Program** on **24-05-2022** at 10 AM in the B.C.A Department of Karnatak Science College, Dharwad. Dr. Anand Pandurangi. M.B.B.S, DPM, FIPS Consulting Psychiatrist, counseled the girl students of B. Sc. and BCA.



Student Welfare Office (SWO) in association with Internal Quality Assurance Cell (IQAC), conducted **One Day Training Programme on Entrepreneurship** for final year B.Sc. students on 26.05.2022 at 10.30 AM in Z-1 hall, Dept. of Zoology, Karnatak Science College, Dharwad. The resource persons Mallikarjun Otageri, Management Consultant, Dharwad, and ShivanandBagalakoti, M.D. of Shivakumar Engineering Work, Hubballi, trained the students the various aspects of entrepreneurship.



Internal Quality Assurance Cell (IQAC) initiative, in association with Student Welfare Office (SWO), made **Parents Meet 2021-22 on 28-05-2022** in BCA hall.



NSS and SWO of Karnatak Arts and Science College organized World No Tobacco Day 31st May on 04-06-2022 from 1-4 PM in Farren hall, Karnatak College, Dharwad. The resource person Shri. B. R. Patrot, District Health Officer, Dharwad, Principals, NSS, SWO officers and faculties of Karnatak College, Dharwad were present.



RECREATIONAL / HEALTHY PRACTICES

An 11 Days Free Yoga Training Camp was organized at the Open Air Theatre of Karnatak College Campus, Dharwad. It was organized on the occasion of **International Yoga Day** and the **75th Azadi Ka Amrut Mahotsav**. It was a joint venture from the Department of Yoga Studies of Karnatak Arts College Dharwad, Karnatak Science College, Karnatak Music College, NSS and NCC units. It was conducted from **11-06-2022 to 21-06-2022**.



Students gathered at Shri Ranga Bayalu RangaMandir (Open Air Theatre) Karnatak College Campus Dharwad for Yoga Camp organized on the occasion of International Yoga Day



Yoga Training Camp was conducted by the joint venture of the Department of Yoga Studies of Karnatak Arts College Dharwad, Karnatak Science College, Karnatak Music College, NSS, and NCC units on the occasion of International Yoga Day and 75th Azadi Ka Amrut Mahotsav from 11-06-2022 to 21-06-2022.

PROGRAMS ORGANIZED ON THE EVE OF AZADI KA AMRIT MAHOTSAV

Students actively participated in the cycling event _ ‘Cyclothon’ driven by the Principals of both Karnatak Science College and Karnatak Arts College, Dharwad.



On account of the Azadi ka Amrit Mahotsav, Principals of both Karnatak Science College and Karnatak Arts College organized and drive a program _ ‘Cyclothon’

Observation of 75th Independence day, with Major CS Anand and senior freedom fighter Smt. Nirmala Hallikeri on **15-08-2022**



On the eve of the **75th Azadi Ka Amrit Mahotsav** and Independence Day observation, Major C.S. Anand as Chief Guest and Smt. Chennamma Hallikeri, a Freedom fighter shared her experience with the staff and NCC cadets on 15-08-2022

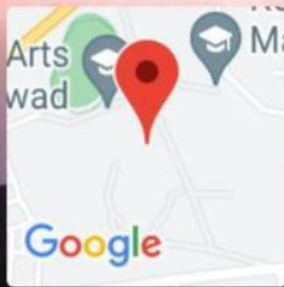
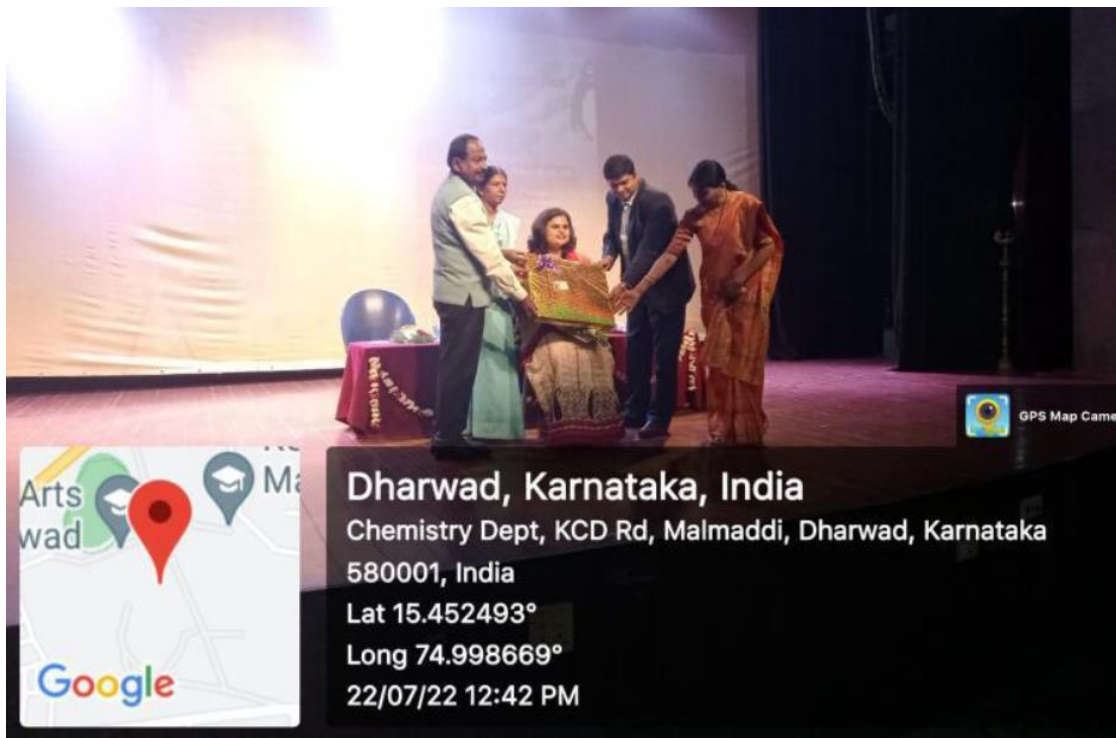
SPECIAL LECTURES:

Smt. Deep J Contractor IFS Officer, the first woman forest officer and the third forest officer to reach Antarctica 2041 Climate Force Antarctica 2022 expedition. She gave a motivational talk to young girls on 22-07-2022.



Smt. Deep J Contractor. IFS Officer. First woman forest officer and third forest officer to get selected for Climate Force Antarctica 2022 expedition
Dr. Saraswati Masti (SWO), Dr. S.C. Chougala (Principal), Smt. Deep J Contractor (Chief Guest), Shri Yashpal Ksheersagar (Registrar, KUD) faculty and Students

Venue: Srujana Ranga Mandir, Karnatak College Campus, 22-07-2022



Dharwad, Karnataka, India

Chemistry Dept, KCD Rd, Malmaddi, Dharwad, Karnataka

580001, India

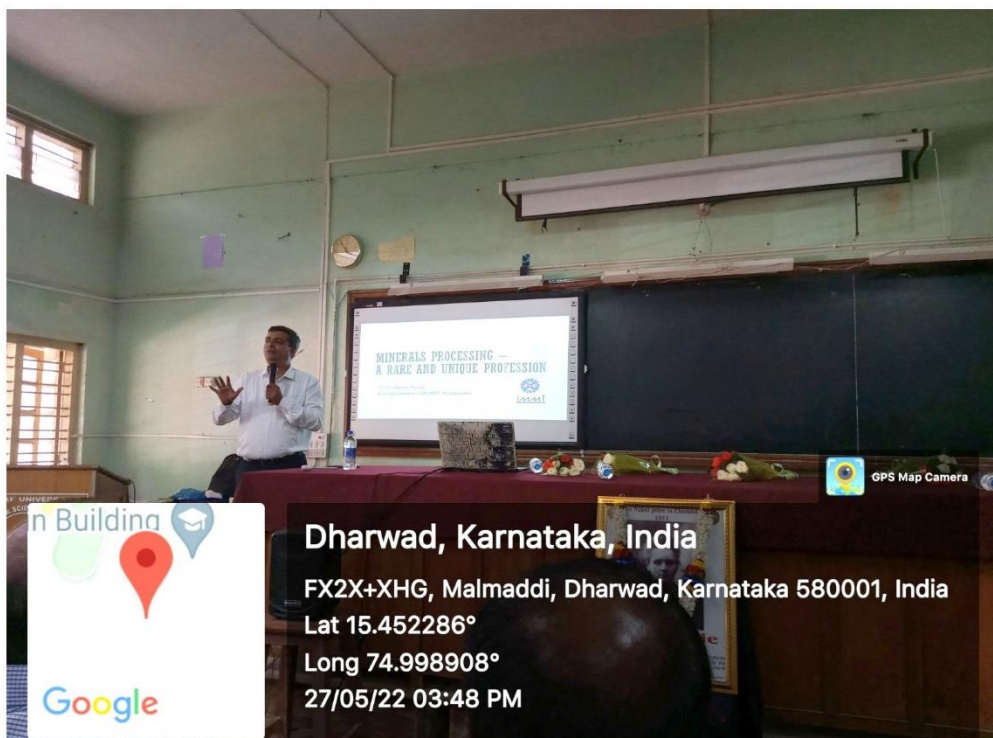
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ACTIVITIES UNDER CHEMISTRY STUDY CIRCLE:

Dr. Shivakumar Angadi, Principal Scientist, CSIR - IMMT, Bhubaneswar presented a special lecture on "Mineral Processing - A Rare and Unique Profession" at Venue: C1 Hall, Department of Chemistry. 27-05-2022



Special Lecture: "Mineral Processing - A Rare and Unique Profession"
Dr. Shivakumar Angadi,
Principal Scientist, CSIR - IMMT, Bhubaneswar
Venue: C1 Hall, Department of Chemistry. 27-05-2022



Students and Teachers at the special lecture by Dr. Shivakumar Angadi in C1 Hall, Department of Chemistry on 27-05-2022

Student Welfare Office (SWO) in association with Internal Quality Assessment Cell (IQAC), organized the special program on **Save Soil Under Value-Based Activity for NEP Students** on 23-06-2022 at 12 PM in BCA hall, Karnatak Science College, Dharwad. The resource person Prof. G. S. Dasog, Ex-Dean (Agri), Soil Scientist, University of Agricultural Science, Dharwad and other dignitaries were present.



An observation on conservation of soil under the theme "SAVE SOIL" was organised by IQAC in association with Student Welfare Office on 23-07-2022 at BCA Auditorium, Karnatak College Campus



Students attending Lecture on Conservation of Soil at BCA Auditorium

STUDENTS' PARTICIPATION IN REGIONAL-LEVEL CONFERENCES FOR QUALIFYING FOR NATIONAL CONFERENCE

Mr. Anirudh & Miss Divya Holeyachi at Regional Level IYIC 2021 Exhibition- Gulbarga University, Kalburgi Shri Ambrish Sindagi Faculty, Microbiology Department had accompanied the students



Shri Ambrish Sindagi Faculty of Microbiology Department with Mr. Anirudh and Miss Divya Holeyachi of B. Sc VI Semester at Regional Level IYIC 2021 Exhibition- Gulbarga University, Kalburgi 16th - 17th April 2022



Miss Divya Holeyachi of B. Sc VI Sem participated as Innovator at Regional Level IYIC 2021 exhibition- Gulbarga University, Kalburgi

**STUDENTS' PARTICIPATION INDISTRICT LEVEL CONFERENCES/
WORKSHOPS / COMPETITIONS**

District Level Patriotic Song (Group) Competition jointly organized by KLEs Shri Mrityunjaya College of Arts and Commerce, Dharwad and KU Dharwad on the eve of **Azadi Ka Amrit Mahotsav** on 28-07-2022



Mr. Nagendra R secured **Fifth Prize** in District Level Patriotic Song (Group) Competition jointly organized by KLEs Shri Mrityunjaya College of Arts and Commerce, Dharwad and KU Dharwad on the eve of **Azadi Ka Amrit Mahotsav** on 28-07-2022

STUDENTS' PARTICIPATION IN NATIONAL-LEVEL CONFERENCES/ WORKSHOPS / COMPETITIONS



Miss Divya Holeyachi of B. Sc VI Sem Microbiology Department presented a poster at National Conference- AMBT-2022 organized by Department of Microbiology, Biotechnology and Food Technology, Bangalore University, Bengaluru on 28th & 29th April, 2022



Students of Karnatak Science College participated and bagged prizes in various competitions conducted at the inter-college level at Mrityunjaya College of Arts and Commerce Dharwad on 28-07-2022

Mr. Anirudh Kulkarni, B. Sc VI Semester, Microbiology Department in discussion with the jury member at National IYIC 2022 Vadodara Gujarat.



Mr. Anirudh Kulkarni in discussion with the jury member at National IYIC 2022 Vadodhara Gujarath on 27th & 28th May 2022

INDIAN YOUNG INVENTORS AND INNOVATORS CHALLENGE - 2021-22
(A programme of NOSTC, Delhi)

Organized by
Network of Organizations for Science and Technology Communication, Delhi in collaboration with
Sigma Group of Institutes and Prasansa Foundation, Godhra, Gujarat.







Certificate

This is to certify that **..Mr...ANIRUDH...KULKARNI.....**
of **DEPT...OF...MICROBIOLOGY...KARNATAK...SCIENCE...COLLEGE...DHARWAD** **Participated and Presented a Project on the**
Title BIOREMEDIATION OF...CADMIUM...AND...CHROMIUM...FROM...INDUSTRIAL...EFFLUENTS...during National
IYIC on 27th & 28th May, 2022, held at Sigma Group of Institutes, Vadodara, Gujarat.


Dr. Anuj Sinha
Chairman, (IYIC 2019)


Sanjib Kr. Sinha
Organizing Secretary (IYIC)

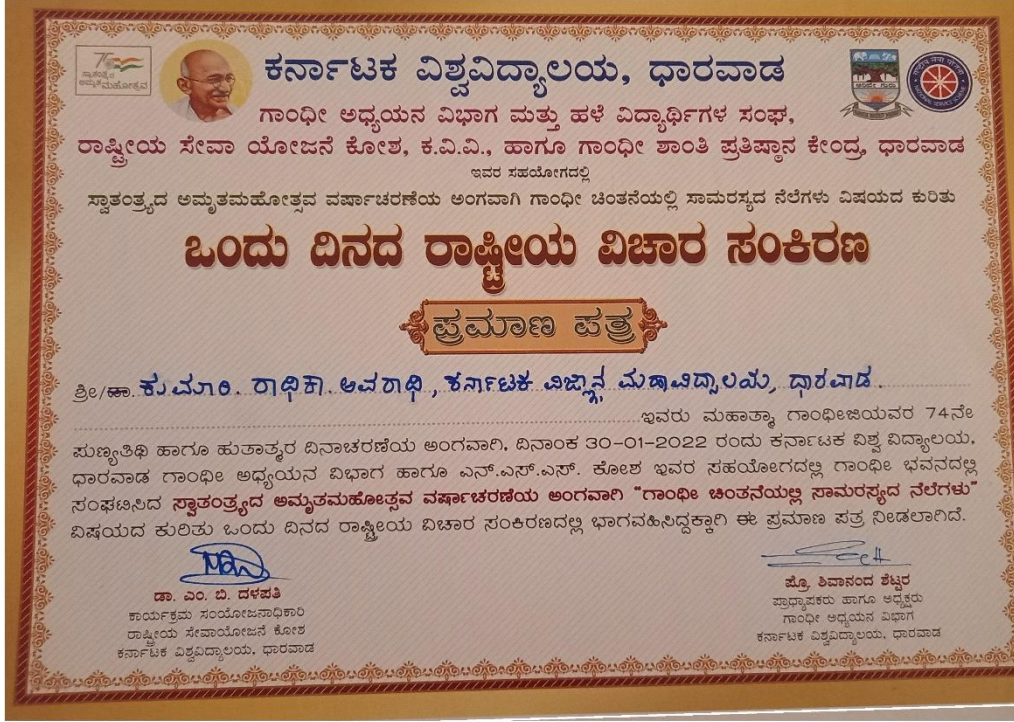

Mr. Hasit Desai
Local Co-ordinator (IYIC)


Dr. Sujit Bannerjee
Scientist 'F', NCSTC - DST
Govt. of India

(Catalyzed and supported by NCSTC-DST, Govt. of India, New Delhi)

Mr. Anirudh Kulkarni of B. Sc VI Sem Microbiology presented his Project at National IYIC 2022 Vadodhara Gujarath on 27th & 28th May, 2022

NATIONAL SYMPOSIUM ORGANIZED BY NSS UNIT OF KARNATAK UNIVERSITY DHARWAD ON THE EVE OF 74TH GANDHI JAYANTHI : 30-01-2022



Miss Radhika Avaradhi of Karnatak Science College Dharwad has participated in the NATIONAL SYMPOSIUM organized by the NSS Unit of Karnatak University Dharwad on the occasion of the celebration of 74th Gandhi Jayanthi
 Venue: Gandhi Bhavana, Karnatak University Dharwad on 30-01-2022



Mr. Rahul P Uppar has participated in National Integration Camp - 2022 organized under NSS, KU Dharwad from 21st to 27th February 2022

STUDENTS' PARTICIPATION IN VARIOUS CURRICULAR AND EXTRACURRICULAR ACTIVITIES

Skill Development Training & One-day workshop on “**Foldscope Microscopy**” conducted for B. Sc students of Karnatak Science College Dharwad co-sponsored by SPIE (USA), Karnatak University Student Chapter, Dharwad & Dr. M.I Savadatti Vidyavardhaka Samsthe Dharwad held at PG Department of Physics, Karnatak University Dharwad on **25-07-2022**. **48 students** got benefitted from this workshop.



Skill Development Training & One-day workshop on “**Foldscope Microscopy**” conducted for B. Sc students of Karnatak Science College Dharwad co-sponsored by SPIE (USA), Karnatak University Student Chapter, Dharwad & Dr. M.I Savadatti Vidyavardhaka Samsthe Dharwad.

Venue: PG Department of Physics, Karnatak University Dharwad on **25-07-2022**

Participation of UG Students in Skill development Training & One-day Workshop on ‘**Foldscope Microscopy**’ on **25-07-2022**



Department of Botany in association with the Indian Association of Angiosperm Taxonomy (IAAT) organized the XXXII Annual Conference of the Indian Association for Angiosperm Taxonomy and National Symposium on “The contribution of Angiosperm Diversity to human wellbeing and the risks associated with its decline”. Venue: BCA Auditorium on 13-11-2022



Department of Botany in association with IAAT organized the XXXII Annual Conference of the Indian Association for Angiosperm Taxonomy and National Symposium on “The contribution of Angiosperm Diversity to human wellbeing and the risks associated with its decline”.
Venue: BCA Auditorium on 13 Nov 2022.

NSS and Students Welfare Office (SWO) of our college conducted Free Dental Check-up for our college students on 29 -10-2022



NSS and the Student Welfare Office (SWO) of our college conducted a Free Dental Checkup programme on 29-10-2022

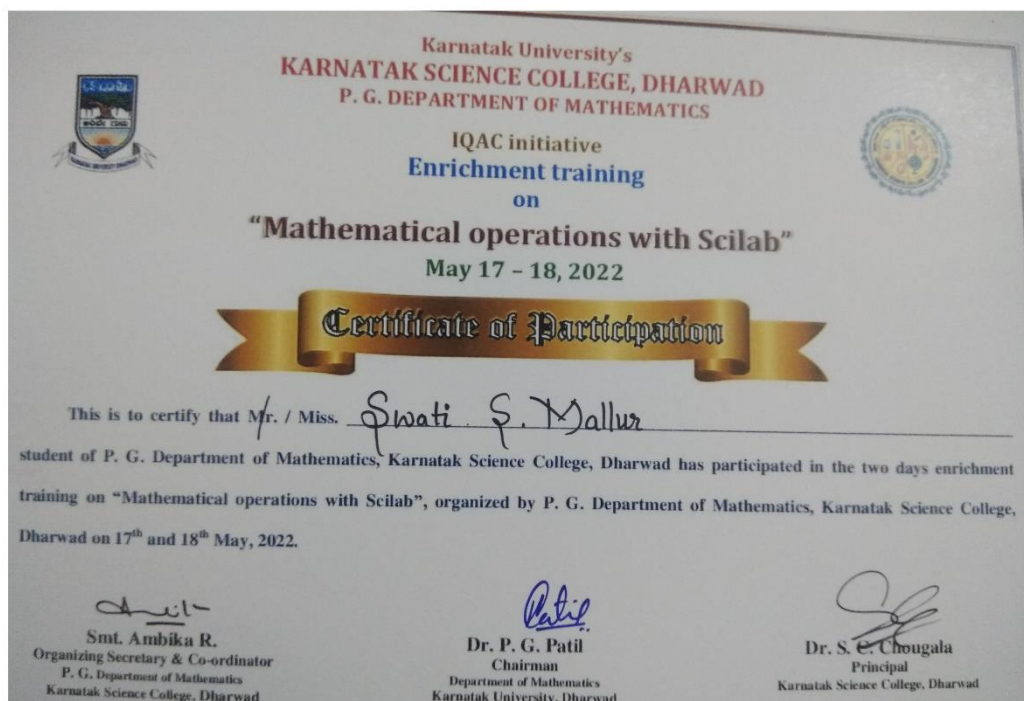
Dr. S.S. Mangalwede (NSS Officer), Dr. S.G. Chougala (Principal) & Dr. Saraswati Masti (SWO), and Health Department Officers

CURRICULAR AND EXTRACURRICULAR ACTIVITIES CONDUCTED BY GYMKHANA, IQAC, STUDENT WELFARE OFFICE (SWO), NSS UNITS OF THE COLLEGE, AND UNIVERSITY

IQAC initiated Enrichment Training organized by PG Department of Mathematics, Karnatak Science College, Dharwad

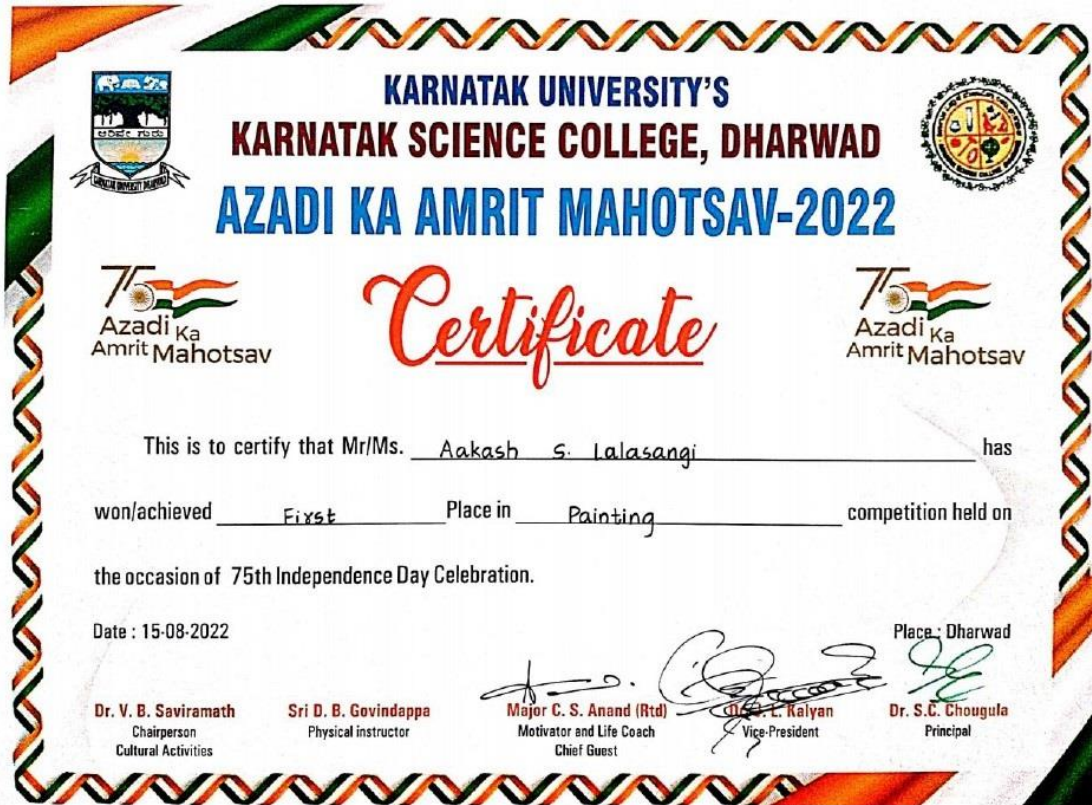


Miss Bhuvaneshwari P. Bindage participated in the two-day enrichment training on " Mathematical Operations with Scilab" organised by PG Department of Mathematics, Karnatak Science College, Dharwad on 17th & 18th May, 2022

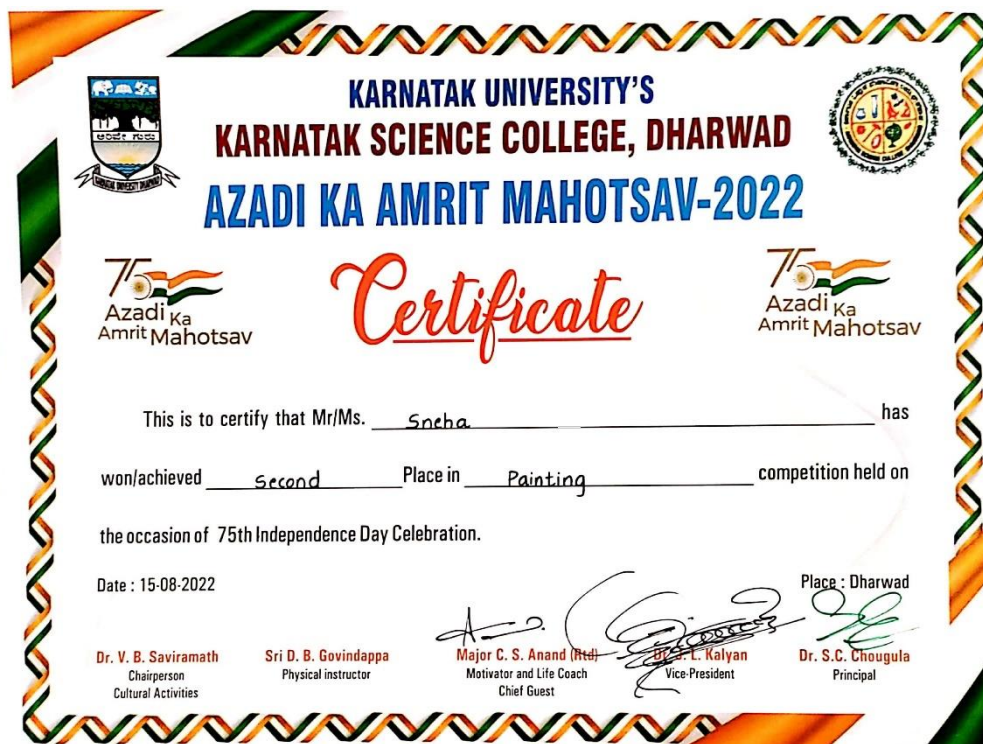


Miss Swathi S. Mallur participated in the two-day enrichment training on " Mathematical Operations with Scilab" organised by PG Department of Mathematics, Karnatak Science College, Dharwad on 17th & 18th May, 2022

ACTIVITIES ORGANIZED BY THE GYMKHANA DEPARTMENT ON THE EVE OF 75TH INDEPENDENCE DAY CELEBRATION:



Mr. Aakash S. Lalasangi secured First place in Painting Competition held on the occasion of the 75th Independence Day Celebration on 15-08-2022



Miss Sneha has won the second place in Painting competition held on the occasion of 75th Independence Day Celebration



Mr. Nisar R Sayyed achieved First Place in Essay competition held on the occasion of Azadi ka Amrit Mahotsav - 2022



Miss Purnima Savadattimath has achieved First place in Debate competition held on the occasion of 75th Independence Day Celebration: 15-08-2022



Harsha Yamunur has participated in Two-day skill enhancement training on 'Embedded System using Arduino' organized by Department of Physics : 18th & 19th May 2022

KARNATAK UNIVERSITY INTER COLLEGE LEVEL POSTER MAKING COMPETITIONS: Government First Grade College, Hubballi: 8-07-2022

Theme: Energy Conservation and Energy Efficiency



Miss Kajal N. Mokashi secured Third Prize in Poster-making competition in Karnatak University Inter College Level competition held at Govt. GFGC Hubli on 8-07-2022



Akshay Hegde (Special Prize), Kajal N Mokashi (Third Prize), and Sahana Mansur (Constellation Prize) at Govt. first Grade College, Hubballi during Karnatak University Inter college Level Poster Competition on 8-07-2022

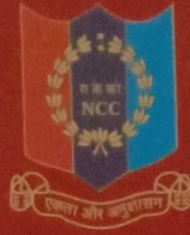


Akshay Hegde, B. Sc IV Semester received special prize during the Cultural Forum & KU Inter College Level Poster Making competition held at GFGC Hubballi 8-07-2022



Mr. Akshay Hegde secured Special Prize in Karnatk University Inter College Poster Making competition held at GFGC Hubli on 8-07-022

NCC Cadets passed the B Certificate Examination



प्रमाणपत्र CERTIFICATE

सं. No. KA19SDA475013 रैंक Rank..... CDT
नाम Name.. YUVARAJ.LAMANI सुपुत्र/सुपुत्री Son/Daughter of.. SANNARAMAPP
यूनिट Unit..... 24 KAR BN NCC, DHARWAD जन्म तिथि Date of Birth..... 22/04/2003

राष्ट्रीय कैडेट कोर निदेशालय - कर्नाटक एवं गोवा, बेंगलूर
NCC Directorate - Karnataka & Goa, Bangalore

प्रमाणित किया जाता है कि ऊपरलिखित कैडेट ने रक्षा मंत्रालय, भारत सरकार के प्राधिकार के अधीन सन् 20.... में हुई प्रमाणपत्र..... परीक्षा पास कर ली है ।

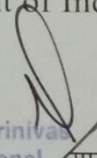
This is to certify that the above mentioned Cadet has passed the Certificate..... **B**..... Examination held in 20**21**..... under the authority of Ministry of Defence, Government of India

Grading '**C**'

स्थान BELAGAVI
Place.....

दिनांक **14 JUL 2021**
Date.....




K Srinivas
Colonel ~~ग्रूप कमांडर~~
Group Commander
NCC Gp HQ Belagavi
एन सी सी ग्रूप मुख्यालय
NCC Group Headquarters



प्रमाणपत्र
CERTIFICATE

सं. No. **KA19SDA475017** रैंक Rank **CDT**
 नाम Name **MADHUSUDAN .PATIL** सुपुत्र/सुपुत्री Son/Daughter of **LINGANAGOUDA**
 यूनिट Unit **24 KAR BN NCC, DHARWAD** जन्म तिथि Date of Birth **28/04/2000**

राष्ट्रीय कैडेट कोर निदेशालय - कर्नाटक एवं गोवा, बेंगलूर
NCC Directorate - Karnataka & Goa, Bangalore

प्रमाणित किया जाता है कि ऊपरलिखित कैडेट ने रक्षा मंत्रालय, भारत सरकार के प्राधिकार के अधीन सन् 20.... में हुई प्रमाणपत्र..... परीक्षा पास कर ली है ।
 This is to certify that the above mentioned Cadet has passed the Certificate..... **B**..... Examination held in 20**21**..... under the authority of Ministry of Defence, Government of India

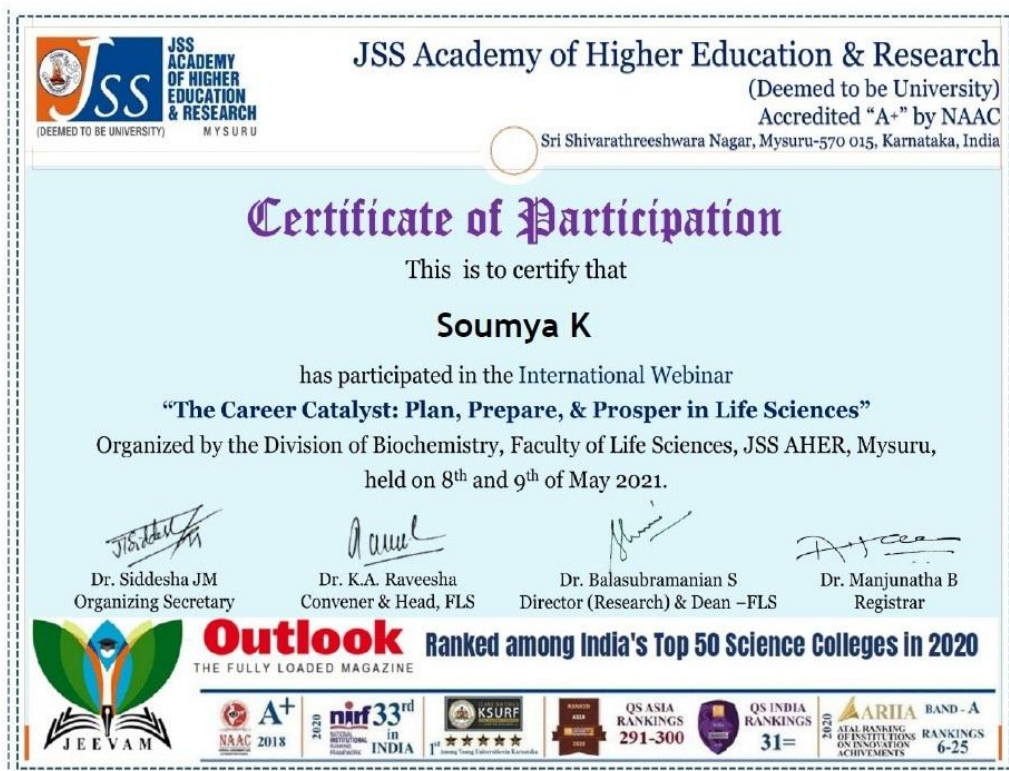
Grading**B**.....
 स्थान Place **BELAGAVI**
 दिनांक Date **14 JUL 2021**



K Srinivas
 Colonel ग्रूप कमांडर
 Group Commander
 NCC Group HQ Belagavi
 एन सी सी ग्रूप मुख्यालय
 NCC Group Headquarters

STUDENTS' PARTICIPATION ON ONLINE COURSES:

International webinar: "The Career Catalyst: Plan, Prepare, & Prosper in Life Sciences" organized by the Division of Biochemistry, faculty of Life Sciences, JSS AHER Mysuru on 8th & 9th May 2021



Miss Soumya K, participated in the International webinar: "The Career Catalyst: Plan, Prepare, & Prosper in Life Sciences" organized by the Division of Biochemistry, faculty of Life Sciences, JSS AHER Mysuru on 8th & 9th May 2021



Miss Sheetal Guruvadeyara participate din an online course on "Geospatial Technology for Hydrological Modelling" organized by ISRO - IIRS conducted from 19th to 30th July

Research Bootcamp



Certificate of Appreciation

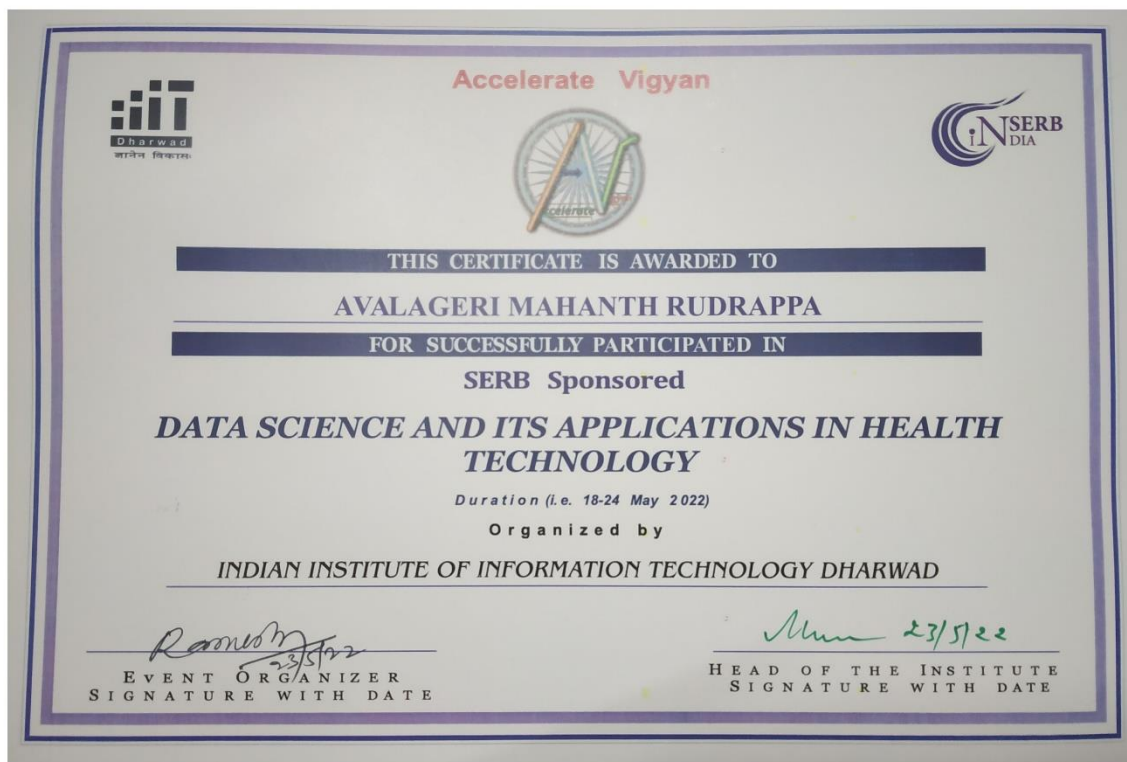
This is presented to

SHAMANT DESAI

for their outstanding performance as a Changemaker in Project uP's
Research Bootcamp from 16th May, 2022 to 25th May, 2022.



Vardaan Shekhawat
Founder-President, Project uP

Devashish Saxena
Team Lead



Mr. Avalageri Mahanth Rurdappa has participated in SERB-sponsored
"DATA SCIENCE AND ITS APPLICATIONS IN HEALTH TECHNOLOGY"
organized by Indian Institute of Information Technology, Dharwad
18th to 24 May 2022

STUDENTS PROJECTS: Department of Zoology: (Zoology Paper – I)


Karnataka University's
KARNATAK SCIENCE COLLEGE DHARWAD



**CERTIFICATE
DEPARTMENT OF ZOOLOGY**


College roll no.-245 Register no.-19S10296

This is to certify that Shri Sanavulla K H Studying in class BSc VI Semester has worked under my guidance for his project report worked on ECOLOGICAL ADAPTATION IN GLOW WORM And BAT PROJECT.

Date:03-08-2022

Submitted to
Dr. S S . MANGALWEDE..


Head of the Department
Department of Zoology
Karnatak Science College
Dharwad.

KARNATAK SCIENCE COLLEGE

DHARWAD

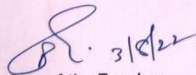
Certificate *Valid*
Handwritten 19/08/2022

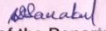
Dept. of ZOOLOGY

College Roll No. 323 Ex - Seat No. 19S10374

This is to certify that Mr. / Miss SWASWDDA . R. DESAI
of B.Sc. I / II / III / IV / V / VI Semester has worked under my guidance for
his / her Home Assignment / tour Report worked on Morphological
adaptation

Date :


Signature of the Teacher


Head of the Department
Department of Zoology
Karnatak Science College
Dharwad.

KARNATAK SCIENCE COLLEGE

PROJECT WORK

ZOOLOGY - Paper I

Topic - Effect of pesticides on birds with examples

Submitted To:
Ms. Vidyavati Hanamaraddi
Dept of Zoology.

Submitted by:
Poornima Narasappanavar.
Roll no: 185
Reg no: 19S10234
Class: B.Sc VI Sem
CBZ Combination.

KARNATAK SCIENCE COLLEGE DHARWAD

ZOOLOGY PROJECT WORK

SUBMITTED TO: Mr. MAHESH S. P.

NAME : PAVITRA B. R.

CLASS : BSc VI SEM

ROLL NO : 181

Reg. NO. : 19S10227

SUB. : ZOOLOGY

PAPER : I

TOPIC: THREATENED ANIMALS OF INDIA

KARNATAK SCIENCE COLLEGE
DHARWAD

DEPT. OF ZOOLOGY
PROJECT WORK

NAME: SATYASHREE GANIGER

Class : BSc VIth

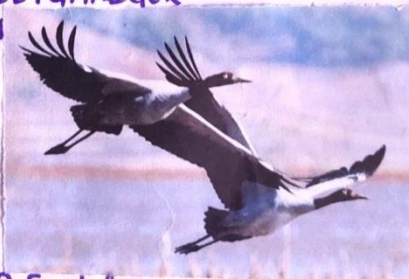
Roll No: 268

Reg NO: 19S10309

Sub : Zoology

Combination: CZBT

Submitted to: Dr. R. O. Sanakal
mam.



KARNATAK SCIENCE COLLEGE



DHARWAD

Certificate

Valued
Date 17/08/2022

Dept. of ZOOLOGY

College Roll No. 270

Ex - Seat No. 19S10336

This is to certify that Mr. / Miss SHRIRAKSHA R. ADAVT
of B.Sc. I / II / III / IV / V / VI Semester has worked under my guidance for
his / her Home Assignment / tour Report worked on WILDLIFE
OF HIMALAYA

Date : 03/08/2022

Sanakal
Signature of the Teacher

Head of the Department



Karnataka University's
KARNATAK SCIENCE COLLEGE DHARWAD



CERTIFICATE
DEPARTMENT OF ZOOLOGY

Collage roll no.-254

Register no.-19S10165

This is to certify that Mrs.Maheknaz.K.Shaikh Studying in class BSc VI Semester has worked under my guidance for her project report worked on **conservation project – Vulture**

Valued
H.D. 14/08

Date:01-08-2022

Submitted to *H.D. 5/8/2022*
Prof.Harsha D. Neelgund

H.D.
Head of
Department
Department Zoology
Karnatak Science College
Dharwad.



Karnataka University's
KARNATAK SCIENCE COLLEGE DHARWAD



CERTIFICATE
DEPARTMENT OF ZOOLOGY

College roll no.- 250

Register no.-19S10057

This is to certify that **Asma A. Beediwale** Studying in class BSc VI Semester has worked under my guidance for her project report worked on **conservation project – Hangul**

Valued
H.D. 14/08

Date:01-08-2022

Submitted to *H.D. 13/08/2022*
Prof.Harsha D. Neelgund

H.D.
Head of
Department
Department Zoology
Karnatak Science College
Dharwad.



Karnataka University's
KARNATAK SCIENCE COLLEGE DHARWAD



CERTIFICATE
DEPARTMENT OF ZOOLOGY

Collage roll no.-252

Register no.-19S10097

This is to certify that Miss **Divya U. Holeyachi** studying in class B.Sc. VI Semester has worked under my guidance for her project report on **Conservation Project-Tiger**

Date: 01-08-2022

Valued
14/08/2022

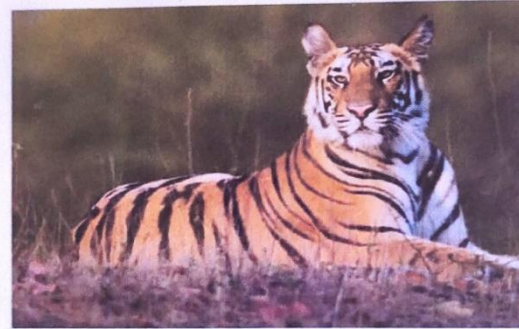
Submitted to
Prof. Harsha D. Neelgund

Harsha D. Neelgund
11/8/2022

Harsha D. Neelgund
Head of the Department

Head of the Department
of Zoology,
Karnatak Science College
Dharwad,

KARNATAKA SCIENCE COLLEGE
DHARWAD



register no. 19S10149


This is to certify that Mr. Koustubh Kari
of BSC VI semester has worked under
my guidance for his project worked on
TIGER RESERVES OF INDIA

DEPARTMENT OF ZOOLOGY

SUBMITTED TO=Dr.HARSHA NEELGUND

STUDENTS PROJECTS: Department of Microbiology:

KARNATAK SCIENCE COLLEGE



DHARWAD

Certificate

Dept. of Zoology [Microbiology]

College Roll No. 253 Ex - Seat No. 19510145


This is to certify that Mr. / Miss Kishan V. Hugar
of B.Sc. I / II / III / IV / V / VI Semester has worked under my guidance for
his / her Home Assignment / tour Report worked on Drinking
Water Purification

Date: 7/2/22

[Signature] Co-Ordinator
Microbiology
Karnatak Science College,
Dharwad

[Signature] M.S. Nagark
Head of the Department
Karnatak Science College,
Dharwad

KARNATAK SCIENCE COLLEGE



DHARWAD

Certificate

Dept. of Microbiology

College Roll No. 255 Ex - Seat No. 19510242

This is to certify that Mr. / Miss Pragati P. Joshi
of B.Sc. I / II / III / IV / V / VI Semester has worked under my guidance for
his / her Home Assignment / tour Report worked on Drinking water
Purification in Municipal water supply.

Date: 7/2/22

[Signature] Co-Ordinator
Microbiology
Karnatak Science College,
Dharwad

[Signature] M.S. Nagark
Head of the Department
Karnatak Science College,
Dharwad

STUDENTS PROJECTS: Department of Industrial Fish & Fisheries:

Karnatak Science College, Dharwad
Dept. of Zoology,
Industrial fish and fisheries division

The topic Project on Study of Fisheries
Institute of India

submitted by
Kum/Kumari: K.P. Akhila
B.Sc. IV sem
Roll No.: 298
Exam Seat No.: 19810133

*BSc-IV sem
2021-2022*

subm. o
Dr. Sameer G Chebbi
Dept. of Zoology,
Industrial fish and fisheries division
Karnatak Science College, Dharwad
2021

Karnatak Science College, Dharwad
Dept. of Zoology,
Industrial fish and fisheries division

Project report on: Fresh water fishes

submitted by
Kum/Kumari: GULZAR BASHA .M. KAKAR
B.Sc. IV/VI sem
Roll No.: 228
Exam Seat No.: 19810113

*BSc-VI sem
2021-2022*

submitted to
Dr. Sameer G Chebbi
Dept. of Zoology,
Industrial fish and fisheries division
Karnatak Science College, Dharwad
2022

- Dissertation: Department of Chemistry:



Principal,
Karnatak Science College
Dharwad.