



**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



Number of Add on /Certificate/Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. where the students of the institution have benefitted during the last five years)

NUMBER OF ADD ON /CERTIFICATE/VALUE ADDED PROGRAMS: 24

Sl.No	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Course Code (if any)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
2022-23 :09					
1	Bio-Chemical Techniques	BCT-01	3 months	30	30
2	Medical Geology	GEG-01	3 months	30	30
3	Basics of Surveying and Mapping	GEO-01	3 months	30	30
4	MATLAB Fundamentals	CSC-01	3 months	30	30
5	Digital Marketing	CSC-01	3 months	30	30
6	Maintenance of Labarotary Equipments	PHY-01	3 months	30	30
7	Basic Instrumentation	PHY-01	3 months	30	30
8	Trafficking of Human organs in India	FSC-01	3 months	30	30
9	Applied MicroBiology	MCB-01	3 months	30	30
2021-22 :03					
10	Biochemical Tests	BIT-01	3 months	21	21
11	Maintenance of Labarotary Equipments	PHY-01	3 months	23	23
12	Basic Instrumentation	PHY-01	3 months	35	35
13	Applied MicroBiology	MCB-01	3 months	21	21
14	Domestic Violence Against Women in India	FSC-01	3 months	27	27
16	Catrogaphic Representation of Geographic Data	GEO-01	3 months	35	35
2020-21 :03					
16	Techniques of Biochemistry	BIT-01	3 months		
17	Combating Human trafficking in India	FSC-01	3 months	29	29
18	Techniques in Aerial photography and Remote Sensing	GEO-01	3 months	30	30
2019-20 :03					
19	Biological Techniques		3 months		
20	Child Trafficking in India	FSC-01	3 months	30	30

21	Natural Hazard and Disaster Management	GEO-01	3 months	30	30
2018-19 :03					
22	Bio-chemical Methods	BIT-01	3 months	19	19
23	Drug Trafficking in India	FSC-01	3 months	33	33
24	Morphological Analysis	GEO-01	3 months	19	19

2022-23

Sl.No	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Course Code (if any)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
2022-23 :09					
1	Bio-Chemical Techniques	BCT-01	3 months	30	30
2	Medical Geology	GEG-01	3 months	30	30
3	Basics of Surveying and Mapping	GEO-01	3 months	30	30
4	MATLAB Fundamentals	CSC-01	3 months	30	30
5	Digital Marketing	CSC-01	3 months	30	30
6	Maintenance of Labarotary Equipments	PHY-01	3 months	30	30
7	Basic Instrumentation	PHY-01	3 months	30	30
8	Trafficking of Human organs in India	FSC-01	3 months	30	30
9	Applied MicroBiology	MCB-01	3 months	30	30



**Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD**

Department of Biotechnology



1.2.2 - Number of Add on /Certificate programs

2022-23

Title: Bio-Chemical Techniques

LIST OF STUDENTS ENROLLED



Karnatak University's
Karnatak Science College, Dharwad
Department of Biotechnology
Certificate Course on "Bio-Chemical Techniques" 2022-23
Duration (January to March) 3 months



List of students enrolled

Sl. No.	Registration Number	Name	Sign
1	20S10020	Atshala Mared	Atshala
2	20S10021	Akshay K. Hegde	Akshay
3	20S10028	Anju, B. Lanani	Anju
4	20S10031	Anusha . K. Goudar	Anusha
5	20S10033	Aparna . U. Karani	Aparna
6	20S10045	B. Dinesh	Dinesh
7	20S10053	Basavaraj . Narayanapurna	Basavaraj
8	20S10064	Bhumnika . S. Suryavanshi	Bhumnika
9	20S10096	Gayatri . R	Gayatri
10	20S10123	Khudajab? Shabbir A	Khudajab
11	20S10144	Mahalaxmi . S G	Mahalaxmi
12	20S10174	Megha Patil	Megha
13	20S10179	Mujamil Sarafharaj	Mujamil
14	20S10204	Pooja . R. Tarale	Pooja
15	20S10215	Prathiba . P. Hegde	Prathiba
16	20S10225	Priyanka . Himmat	Priyanka
17	20S10241	Rajitha Akpalli	Rajitha
18	20S10260	Rutuja , M. Chougale	Rutuja
19	20S10267	Sahana . D. Jadar	Sahana
20	20S10271	Sahana . S. Mansur	Sahana
21	20S10282	Sanjata Patil	Sanjata
22	20S10311	Shivaani . R. B	Shivaani
23	20S10320	Shravan G. M	Shravan
24	20S10335	Sinchana . S. Kamru.	Sinchana
25	20S10343	Suchika . P. Talwar	Suchika
26	20S10380	Udya M	Udya
27	20S10398	Vittal . R. Bani	Vittal
28	20S10728	Nivedita S.M	Nivedita
29	20S10001	Kavya B.R	Kavya
30	20S10174	Meghdna . N. Nark	Meghdna

COURSE CO-ORDINATOR
Dr. P. G. I. ...

IPAC CO-ORDINATOR
Dr. L. T. ...

PRINCIPAL
Dr. S. C. Chougale



DEPARTMENT OF Bio-technology

THEORY PRACTICAL ATTENDANCE REGISTER: MONTH _____ YEAR 2022-23

CLASS & SEM: Bio-chemical Technology

DIVISION 1

Sl. No.	Roll No.	Register No.	NAME OF STUDENT	Credent	Date												Pr. Sem. Subject Marks	Pr. Sem. Total Marks	Date, Pass/Fail	Sign
					1	2	3	4	5	6	7	8	9	10	11	12				
1			Vidya M	OK	P	P	P	P	P	P	P	P	P	P	P	P				
2			Vidhi . L. Bani																	
3			Shivika . S. M		P	P	P	P	P	P	P	P	P	P	P	P				
4			Sanjay . E. B		P	P	P	P	P	P	P	P	P	P	P	P				
5			Meghana N. Nair		P	P	P	P	P	P	P	P	P	P	P	P				
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COURSE CO-ORDINATOR
Dr. P. G. ...

IQAC CO-ORDINATOR
Dr. I. T. Nair

PRINCIPAL
Dr. S. S. ...

Teacher Signature:

[Handwritten signatures]

CERTIFICATE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD

Certificate Course in 'Biochemical Techniques'

Batch: 2022-23



Certificate of Completion

This is to certify that Mr./Miss Prityanka Hiremath
..... (Register No. 20510225.....)

has successfully completed the certificate course in 'Biochemical
Techniques' from 02/01/2023 to 31/03/2023

[Signature]
Course Coordinator

[Signature]
IQAC Coordinator



[Signature]
Principal
Karnatak Science College
Dharwad

CURRICULUM

Karnatak University's

Karnatak Science College, Dharwad

Department of Biotechnology

Certificate Course in "Bio-Chemical Techniques"

2022-23

About the Course:

Bio-Chemical techniques are important for any clinical laboratory. In the Bio-Chemical techniques course the students analyze fluid, tissues and blood samples to perform a variety of diagnoses. They generally work under the supervision of subject experts.

Objective:

After the completion of the certificate course, students will be able to:

- Conduct chemical analysis of body fluids, such as blood or urine, using microscope or to detect abnormalities or diseases.
- Analyze the results of tests or experiments to ensure conformity to specifications, using special mechanical or electrical devices.
- Set up, maintain, calibrate, clean and test sterility of medical laboratory equipment. Collect blood or tissue samples from patients, observing principles of asepsis to obtain blood samples.
- Conduct blood tests for transfusion purposes and perform blood counts. Inoculate fertilized eggs, broths, or other bacteriological media with organisms.
- Consult with a pathologist to determine a final diagnosis when abnormalities are found. Analyze and record test data to issue reports.

Duration of the Course: 3 Months

Syllabus of Certificate Course on Bio-Chemical Techniques

1. Estimation of blood sugar by anthrone method.
2. Estimation of creatinine of urine.
3. Determination of blood group.
4. Determination of clotting time of blood.
5. Qualitative analysis of urine.
6. Determination of differential leucocyte count.
7. Determination of bleeding time of blood.
8. Preparation of haematin crystals.

COURSE OUTCOME



Karnatak University's

Karnatak Science College, Dharwad

Department of Biotechnology 2022-23



Certificate Course in "Bio-Chemical Techniques"

List of 30 students were enrolled for certificate course in "Biochemical Techniques" with respect to the designed curriculum. The said certificate course was started on 07-01-2023 and completed on 20-03-2023. After the completion of the course on 20-03-2023, The examination was conducted on 28-03-2023 and based on the performance of the enrolled students in examination the certificate of course completion was awarded to the students.

All the relevant and required documents are uploaded.

A handwritten signature in black ink, appearing to be 'Dr. R. G. Kulkarni'.

Course coordinator

Dr. R. G. Kulkarni



**Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD**

Department of Geology

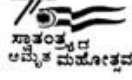


1.2.2 - Number of Add on /Certificate programs

2022-23

Title: Medical Geology

LIST OF STUDENTS ENROLLED



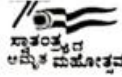
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Certificate course on: Medical Geology (Dept. of Geology)
Duration: October - December 2023.

List of students enrolled

Sl. No	Registration Number	Student Name	Signature
1	U02AB2150502	Vishal G. Turai	
2	U02AB2150852	Saraswathi	
3	U02AB2150579	Bhushni Vijay Mudalagi	
4	U02AB2150390	Arati P. Bhatagi	
5	U02AB2150344	Sushil W. Talawar	
6	U02AB2150440	Arun Hosatti	A.H.Hosatti
7	U02AB2150244	Dharmarajgouda C.B	
8	U02AB2150586	Hanuman B. Malli	
9	U02AB2150270	Veeresb	
10	U02AB2150507	Chitranjivi S	
11	U02AB2150179	Yuvaraj Rathod	
12	U02AB2150510	Anil lamani	
13	U02AB2150208	Shreshth C.C	
14	U02AB2150149	Gangadhar S. Malabadi	
15	U02AB2150426	Sanjeev. Hadimani	S.V.Hadimani
16	U02AB2150424	Pandit R.S	
17	U02AB2150065	Shivanagoud. H. Bilabaru	
18	U02AB2160028	Yogesh S. Sangappa Navar	
19	U02AB2150310	Yashesh	
20	U02AB2150112	Prasanna Besurya Shambhuknoth	
21	U02AB2150575	Mohammed Arsal Mukhtas	
22	U02AB2150548	Mohan Raja Pram B.K	
23	U02AB2150055	manjunath	
24	U02AB2150306	Prasanna Kambli	
25	U02AB2150121	Teerappa D. Tippanna Nay	
26	U02AB2150172	Kiran V.B	
27	U02AB2150460	Vinaykumar B. Shalikeri	
28	U02AB2150064	Mallikarjun H.N.	
29	U02AB2150285	Siddharth P. Madar	
30	U02AB2150952	Kamesh Bayati	
31	U02AB2150165	Trappa M. Patil	



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Certificate course on: Medical Geology
Duration: October - December 2023

List of students enrolled

Sl. No	Registration Number	Student Name	Signature
1	U02AB21S066d	Pooja, Chandrappa, Beeralli	
2	U02AB21S0390	Laxmi .C. Angadiyavar	
3	U02AB21S0454	Romya .C. Angadi	
4	U02AB21S0508	Chitana .C. Kulk	
5	U02AB21S0627	Romya .S. Mud siban	
6	U02AB21S0205	Sangeeta .Y. Shetradde	
7	U02AB21S0016	Saundarya .C. Hatti	
8	U02AB21S0583	Demraj .K. Yadavwad	
9	U02AB21S0237	Neelappa .Kadammanavar	
10	U02AB21S0032	Ramesh	
11	U02AB21S0060	Siddappa .N. Katogere	
12	U02AB21S0593	Kamala .Nemalaratti	
13	U02AB21S0420	Bhagyashree .R. Kinagi	
14	U02AB21S0438	Sudha .V. Songeppanhetur	
15	U02AB21S0103	Lalitha .S. Kolaskar	
16	U02AB21S0138	Basavalingamma	
17	U02AB21S0067	Sharada .S	
18	U02AB21S0075	Kaveri .V. Kongwad	
19	U02AB21S0671	Shruya .Potadas	
20	U02AB21S0066	SONIL .V. PATTED	
21	U02AB21S0429	Ajith Pawas	
22	Total - 52 candidates -		
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CERTIFICATE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD

Course Title: Medical Geology



CERTIFICATE



This is to certify that Mr./Miss SRUSTI U. TALAWAR

----- (Register No: U02A82150344) has successfully completed the

“Certificate Course” in Medical Geology from 07-10-2023 to 30-12-2023.


Course Coordinator


IQAC Coordinator




Principal
Karnatak Science College
Dharwad

CURRICULUM



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD
(Constituent College of Karnatak University, Dharwad)



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Department of Geology

Certificate course on "Medical Geology"2022-23

Syllabus:

Foundations of medical geology:

Ancient findings, More recent findings, Environmental classification of elements in relation to public health ; inorganic poisons affecting public health in addition to pathogens with some examples from India ; developments in medical geology.

Environmental biology

Distribution of elements in Nature - A chemically variable earth; Mineral chemistry, diversity in the composition of rocks, biogeochemical cycle, establishing geochemical baselines, geochemical baseline map of India, Total composition and bioavailability, integrating epidemiological research with geochemical composition of drinking water and food, agriculture and forest management.

Anthropogenic sources of contaminating elements:

Mining, Mineral processing and metal refining; power generation, other industrial activities, waste disposal, agricultural practices, contamination from transport industry, atmospheric deposition of contaminants, contamination in urban environment, treatment and transport of drinking water.

Geogenic sources ; Volcanic emissions and health, radon and U in water, Arsenic in water and environment, fluoride in drinking and irrigation water, health effects of hardness of water, selenium and iodine deficiency, selenium toxicity

Geophagy ; Soil borne pathogens Natural aerosolic mineral dusts and human health – dust storms, pneumoconiosis, lung diseases, silicosis, asbestosis . tuberculosis

Quality of groundwater: Thresholds for metal and non-metal ions from health point of view: as prescribed by : WHO, Bureau of Indian Standards, other international standards.

Recommended Learning Resources

Print Resources

1. Selinus, Olle (Ed.), 2013, Essential of Medical Geology, Revised Edition. Springer.
2. Syed E. Hasan, 2020, Medical Geology, PMCID publications.
3. Carlos-Alberto Ríos-Reyes, María-Paula Ríos-Gutiérrez and Santiago Joya-Neira, Archivos de Medicina Volumen, 2021, The importance of minerals in medical geology: impacts of the environment on health. Enero-Junio de.

Digital Resources <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7241403/>
https://en.wikipedia.org/wiki/Medical_geology


Course Coordinator



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Department of Geology

Certificate course on "Medical Geology" 2022-23

About the Course

Medical geology is an interdisciplinary scientific field studying the relationship between natural geological factors and their effects on human and animal health. The Commission on Geological Sciences for Environmental Planning defines medical geology as "the science dealing with the influence of ordinary environmental factors on the geographical distribution of health problems in man and animals.

In its broadest sense, medical geology studies exposure to or deficiency of trace elements and minerals; inhalation of ambient and anthropogenic mineral dusts and volcanic emissions; transportation, modification and concentration of organic compounds; and exposure to radionuclides, microbes and pathogens.

It is widely known that the state of our environment affects us in many ways. Minerals and rocks have an impact on human and animal populations because that is what the earth is composed of. Medical geology brings professionals from both the medicine field and the geology field to help us understand this relationship. There are two priorities that have been established within the medical geology field, the study of trace elements, especially their bioavailability and a need to establish baseline, or background levels of contaminants/xenobiotics/potentially harmful but naturally occurring materials in water, soil, air, food, and animal tissue. The elements and minerals in the land affect people and animals immensely, especially when there is a close relationship between the two.

All living organisms need some naturally occurring elements; however, excessive amounts can be detrimental to health. There is a direct link between health and the earth because all humans ingest and breath in these chemicals and for the most part it is done unknowingly

Objectives : After the completion of the certificate course, students will be able to:

- 1 Understand the study on contamination levels of groundwater and health problems in our society from the medical geological point of view (Geogenic & anthropogenic sources)
- 2 Address health problems caused, by geologic materials (rocks, minerals, atmospheric dust, and water) and processes (including volcanic eruptions and earthquakes).
- 3 To understand the effects of drinking unsafe water (Surface & sub surface).
- 4 To educate the common public on various health issues caused due to water.



Course Coordinator

COURSE OUTCOME



**Karnatak University's,
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Department of Geology

Certificate course on "Medical Geology"2022-23

Course Outcomes

The course provides a basic understanding of Geogenic and anthropogenic distribution of trace elements, its cyclic movement through the abiotic-biotic environment and their toxic effects on human health, livestock's and that of flora and fauna. Assessment of course is as follows;

Total 52 students were enrolled for this course which were started from 7th October 2023 and completed on 30th December 2023. Based on the performance of the student's viva/seminar the course completion certificates were issued.


Course Coordinator



**Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD**

Department of Geography



1.2.2 - Number of Add on /Certificate programs

2022-23

Title: Basics of Surveying and Mapping

LIST OF STUDENTS ENROLLED



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY



Certificate Course on "Basics of Surveying and Mapping" 2022-23
Duration (May to July) 3 Months-2023

List of Students Enrolled

Sl.No.	Register Nos.	Name of the Students	Signature
1	U02AB22S0002	Aishwarya Andodagi	A.D.Andodagi
2	U02AB22S0121	Parmesh . B	Parmesh B
3	U02AB22S0126	Lohit . S. Rathod.	L.Rathod
4	U02AB22S0151	Chaitra . Haragi	Chaitra
5	U02AB22S0223	Herna . S. Naik	Herna
6	U02AB22S0244	Pramod.	Pramod
7	U02AB22S0245	Toufiq . S. Nadaf	Toufiq
8	U02AB22S0263	Sudeep	Sudeep
9	U02AB22S0306	Savithri	Savithri
10	U02AB22S0314	Nagarathna . P	Nagarathna
11	U02AB22S0404	Dharmanna	Dharmanna
12	U02AB22S0422	Mozunesh	Mozunesh
13	U02AB22S0432	Jyoti	Jyoti
14	U02AB22S0461	Sampriya . S. Neeravani	Sampriya
15	U02AB22S0512	Somanagouda .Iranagouda	Somanagouda
16	U02AB22S0513	Monej . Pawar	Monej
17	U02AB22S0525	Raghappa	Raghappa
18	U02AB22S0540	Alankar Walikar	Alankar
19	U02AB22S0586	Shoyal . S. Tamboli	Shoyal
20	U02AB22S0587	Darshan . I . Biradar	Darshan
21	U02AB22S0615	Shrinivas . B. Malagi	Shrinivas
22	U02AB22S0653	Bheemesh	Bheemesh
23	U02AB22S0716	Basarakumar Havari	Basarakumar
24			
25			

Course Coordinator

IQAC Coordinator

Principal

Dr. D. S. Narayakar

Principal
Karnatak Science College
Dharwad

CERTIFICATE



Karnatak University's

KARNATAK SCIENCE COLLEGE, DHARWAD

Course Title: Basics Of Surveying And Mapping

2022-23



CERTIFICATE

This is to certify that Mr./Miss Parmesh B

_____ (Register No: 1102ARB2250121) has successfully completed the

certificate course in Basics Of Surveying and Mapping from 14-05-2023

to 30-07-2023.

Course Coordinator



IQAC Coordinator

Principal

CURRICULUM

Course Syllabus

Title of the Course "Basics of Surveying and Mapping"
2022-23

Unit 1: Introduction to Surveying and leveling.

- What is surveying , different instruments used in surveying
- Necessity of surveying
- Usefulness of surveying in map preparation

Unit 2: Plane Table Survey

- What is plane table, equipments used in plane table survey
- Advantages and disadvantages of plane table survey
- Different methods of plane table survey
- Surveying an area using radiation and intersection methods of plane table survey and map preparation

Unit 3: Prismatic Compass Survey

- Introduction to prismatic compass
- Open and close traversing methods of prismatic compass
- Surveying an area using prismatic compass- open and closed traverse
- Correction of bearing and closing error
- Preparation of the map of the surveyed area

Unit 4: Theodolite

- Introduction to various parts of theodolite
- Measuring vertical angle
- Measuring height of the object, accessible and inaccessible distance

References:

- i) Sing, R.L.: Fundamentals of Practical Geography, DVS Publication
- ii) Mishra, R.P. and Ramesh: Fundamentals of Cartography
- iii) Zamir, A. : A Text book of Surveying
- iv) Singh, G. : Map Work and Practical Geography, DVS Publication
- v) Kulkarni and Kanetkar, T.P. : Surveying and Levelling Part-I&II

Name of the programme : Basics of Surveying and Mapping

Type of the programme: Certificate Course

Contact Hours: 36

Full Marks: 50

Academic Year: 2022-23

Course Objectives:

The main objectives of this course are to make the students compatible to handle the instruments used in survey. The learners learn to work with the conventional survey instruments which are helpful in mapping a small area conveniently. The course is designed especially for the students of geography to provide practical knowledge of preparing maps, using the data collected from the field.

Learning Outcomes:

The learning outcomes of this course may be outlined as follows:

- 1) Students will learn to handle different instruments used in surveying an area.
- 2) Students will be able to conduct survey using plane table, prismatic compass and theodolite.
- 3) Students will be able to prepare map of an area by surveying in the field.

COURSE OUTCOME



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY



Certificate Course in "Basics of Surveying and Mapping"

No. KSCD/Geog/2022-23/

Date: 10-08-2023

Course Outcome

The certificate course in "Basics of Surveying and Mapping" was started with 23 students of B.Sc. geography department kamatak science college Dharwad. Two batches were created and classes of said course were started on 14-05-2023 and completed on 30-07-2023. After the completion of the course, students learned to handle different instruments used in surveying an area and to conduct survey using plane table, prismatic compass and theodolite. The students also learned to prepare map of an area by surveying in the field. For all the 23 enrolled students examination was conducted on 06-08-2023 and based on the performance in examination the certificate of course completion awarded to the student.

All the relevant and required documents are uploaded.

Course coordinator

IQAC Coordinator

Principal



**Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD**

Department of BCA/Computer Science



1.2.2 - Number of Add on /Certificate programs

2022-23

Title: MATLAB Fundamentals

LIST OF STUDENTS ENROLLED

Karnatak University's
Karnatak Science College, Dharwad
Computer Science Department
Add On Course: MATLAB Fundamentals

4th Year
BCA IIIrd Semester: Students enrolled for the Course 7) 2022-2023

ROLL NO.	UUCMS No.	NAME OF THE CANDIDATE	signature
1	U02AB21S0074	KAVYA C AGADI	
2	U02AB21S0076	BHAVANA GAJANAN MORE	
3	U02AB21S0077	LAXMI SUBHAS HUBBALLI	
4	U02AB21S0078	KAVITA VIRUPAKSHAPPA BANAKAR	
5	U02AB21S0080	MONIKA PRAKASH RAHUT	
6	U02AB21S0085	SURAKSHA S KULLOLLI	
7	U02AB21S0088	MANJUNATH ANAND RANASINGANAVAR	
8	U02AB21S0114	KIRAN HONNIHALLI	
9	U02AB21S0115	ABHISHEK SANGANABASAPPA HOOLI	
10	U02AB21S0116	VENKATESH YARAGATTI	
11	U02AB21S0117	ANIL KUMAR	
12	U02AB21S0140	MUTTURAJA	
13	U02AB21S0141	SACHIN PRAKASH KADAM	
14	U02AB21S0143	AKSHAY KUMAR HADPAD	
15	U02AB21S0144	DEEPA PATIL	
16	U02AB21S0145	SHRADDHA SAVADATTIMATH	
17	U02AB21S0146	SUNITA NINGAPPA KUNDARAGI	
18	U02AB21S0148	ROOPA PATIL	
19	U02AB21S0150	MEGHA BAGALI	
20	U02AB21S0151	PALLAVI RAVINDRA UPADHYE	
21	U02AB21S0152	CHAITRA MAHAVEER KELAGINAMANI	
22	U02AB21S0153	NINAD PARANDE	
23	U02AB21S0167	CHAITHRA SHIVANAND JYOTHI	
24	U02AB21S0169	VEERABHADRAYYA CHARANTIMATH	
25	U02AB21S0170	SANTOSH C YADALI	
26	U02AB21S0177	SWATI RAMESH KOLEKAR	
27	U02AB21S0178	ASHABI LAXMESHWAR	
28	U02AB21S0181	VEENA HANUMANTAPPA KATIGER	
29	U02AB21S0295	MAHMMAD USMAN	
30	U02AB21S0296	Priya U Talawai	
31	U02AB21S0297	AISHWARYA B BANDARGATTI	
32	U02AB21S0298	SUNAYANA RAMANATH MAHEKAR	
33	U02AB21S0299	RAHAMATULA MAHMAD HANEEF KALEBAG	
34	U02AB21S0301	ANIL SUTAR	
35	U02AB21S0302	RENUKA RAMAKRISHNA HUBBALLI	
36	U02AB21S0305	DARSHANGOURA PATIL	
37	U02AB21S0307	PREMKUMAR JAGALI	
38	U02AB21S0312	AKASH BIRADAR	

39	U02AB21S0314	YASEEN MAHAMMAD MAIRAGOL	Yaseen.M
40	U02AB21S0318	VAJIDA HALEMANI	Vajida
41	U02AB21S0320	BASAVARAJ R PALLED	Basavaraj
42	U02AB21S0325	RAVI PUJAR	Ravi Pujar
43	U02AB21S0327	SUPRIT S JAMBAGI	Suprit S
44	U02AB21S0332	AKASH	Akash
45	U02AB21S0333	VENKATESH	Venkatesh
46	U02AB21S0338	K.lingayya	K.lingayya
47	U02AB21S0394	SHIVANAND MAHADEV PATTANASHETTI	Shivanand
48	U02AB21S0395	PRAJWAL GURAV	Prajwal
49	U02AB21S0397	PARASHURAM ANJANEYA TANDRAPADU	Parashuram
50	U02AB21S0398	YOGESH PARASAPPA LAMANI	Yogesh
51	U02AB21S0400	SHAHABADI AKASH TUKKAPPA	Shahabadi
52	U02AB21S0401	MOHANKUMAR R HEGDE	Mohankumar
53	U02AB21S0403	MARUTI MALLAPPA HANIMANAL	Maruti
54	U02AB21S0404	SHANKAR JAGADAPPANAVAR	Shankar
55	U02AB21S0457	ALTAF LAISAB SHEKH	Altaf
56	U02AB21S0463	PRIYA M SHIVANNAVAVAR	Priya
57	U02AB21S0464	MOHAMMED ARSHAD SHIBARGATTI	Mohammed
58	U02AB21S0467	SATISH WATHAR	Satish
59	U02AB21S0471	VASANTAGOUDA PATIL	Vasant
60	U02AB21S0474	RAKSHITHA R KARIYANNANAVAR	Rakshitha
61	U02AB21S0476	DEVAKRUPA PARASHURAMSINGH RAJPUT	Devakrupa
62	U02AB21S0512	SAINATH Y SAVANUR	Sainath
63	U02AB21S0513	SANGEETA PARASAPPA HARIJAN	Sangeeta
64	U02AB21S0514	SNEHA HURAKADLI	Sneha
65	U02AB21S0516	SAHANA SIDNAL	Sahana
66	U02AB21S0518	TEJASHWINI RUDRAYYA MATHAPATI	Tejashwini
67	U02AB21S0521	SAVITRI BURUDI	Savitri
68	U02AB21S0523	MANGALAGOURI S BANNIKOPPA	Mangalagouri
69	U02AB21S0525	SWAPNA VITHAL KALLUR	Swapna
70	U02AB21S0564	SANKALP R KALYANSHETTI	Sankalp
71	U02AB21S0565	Laxmi Badiger	Laxmi
72	U02AB21S0566	MAMIDI SHARATH KUMAR	Mamidi
73	U02AB21S0567	Srujan C B	Srujan
74	U02AB21S0568	ARPITA GAIKWAD	Arpita
75	U02AB21S0569	TABASUM JAHUR MUJAWAR	Tabasum
76	U02AB21S0570	MANJUNATH B OLEKAR	Manjunath
77	U02AB21S0603	VIJAYALAXMI BASAVARAJ KURATTI	Vijayalaxmi
78	U02AB21S0605	KARAN J BANAKAR	Karan
79	U02AB21S0609	PURUSHOTTAM YUVARAJ BANAPPANAVAR	Purushottam
80	U02AB21S0614	Savita	Savita
81	U02AB21S0631	Shivakumar	Shivakumar
82	U02AB21S0635	NITISHKUMAR M KHARATE	Nitishkumar
83	U02AB21S0636	Rajashekhar B Durgad	Rajashekhar
84	U02AB21S0644	THEERSHIKA KOMATLAPALLI	Theershika
85	U02AR21S0043	VIKAS V MATHAD	Vikas V.M.
86	U02AB21S0062	SAYEED KHAN	Sayeed

Ambika
Smt. Ambika.R.

ಪರೀಕ್ಷೆ ಸಂಖ್ಯೆ:

ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಧಾರವಾಡ



ಶಿಕ್ಷಣ ವಿಭಾಗ

ಕ್ರ. ಸಂ.	ನಾಮ	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	Kavya. C. A.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
02	Bhavana G. M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
03	Laxmi S. H	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
04	Kavitha V. S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
05	Mjanika. P. R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
06	Sumrcha. S. K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
07	Manjunath. A. K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
08	Kiran #	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
09	Akhshay S. H	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Venkatiah. Y	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Anil Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Murturaja	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Sabin. P. K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Akhay Kumar. H	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Deepa Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Shamdhka S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Sunita N. K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Ranpa Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Megha B.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Sonalini R. U.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Chaitra. M. K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Ninad. P.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	Chaitra. S. T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Ushabhadranya. C.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

A

ಶಿಕ್ಷಣ ಅಧಿಕಾರಿ

ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ದಾರವಾಡ

ಕ್ರ. ಸಂ.	ಹೆಸರು	1/2	3/2	4/2	5/2	6/2	7/2	8/2	9/2	10/2	11/2	12/2	13/2	14/2	15/2	16/2	17/2	18/2	19/2	20/2	21/2	22/2	23/2	24/2	25/2	26/2	27/2	28/2	29/2	30/2
71	Laxmi B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
72	Mamidi Sharath Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
73	Sujan C.B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
74	Arpita G.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
75	Tabayum J.M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
76	Marjunath B.D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
77	Vijayalaxmi B.K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
78	Karan T.B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
79	Purukulottam Y.B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
80	Savitra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
81	Sriyakumar.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
82	Mitishkumar.M.K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
83	Enjashukar.R.D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
84	Thurshika.K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
85	Vikal V.M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
86	Sayud Khan.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Teacher Name		Sripada																												
Program Coordinator																														
Principal																														
Karnatak Science College		Dharwad																												

CERTIFICATE



Karnatak University's

KARNATAK SCIENCE COLLEGE, DHARWAD

Course Title: **MATLAB Fundamentals**

2022-23

CERTIFICATE



This is to certify that Mr./Miss AKASH

(Register No: UD2AB2150332) has successfully completed the
certificate course in MATLAB Fundamentals from.....02-11-2022 to ..06-2-2023

Course Coordinator

IOAG Coordinator

Principal

Karnatak Science College
Dharwad

CURRICULUMN



karnatak University's
Karnatak Science College, Dharwad
Computer Science Department

Certificate Course in "MATLAB Fundamentals" , 2022-23.

Duration of Course: 3 months

Course Syllabus:

1. Working with the MATLAB user interface.
2. Understanding Applications of MATLAB.
3. Entering commands and creating variables.
4. Analysing vectors and matrices.
5. Visualizing vector and matrix data.
6. Working with data files through programs.
7. Working with data types.
8. Automating commands with scripts in MATLAB software.
9. Writing programs with branching and loops.
10. Learning functions writing MATLAB programs.
11. Presenting images in MATLAB.
12. Analysing Images.



karnatak University's
Karnatak Science College, Dharwad
Computer Science Department



Certificate Course in "MATLAB Fundamentals" , 2022-23.

Objective:

- Become familiar with the main features of the MATLAB integrated design environment and its user interfaces.
- Enter MATLAB commands, with an emphasis on creating variables, accessing and manipulating data in variables, and creating basic visualizations.
- Collect MATLAB commands into scripts for ease of reproduction and experimentation.
- Perform mathematical and statistical calculations with vectors. Use MATLAB syntax to perform calculations on whole data sets with a single command.
- Organize scripts into logical sections for development, maintenance, and publishing.
- Use matrices as mathematical objects or as collections of (vector) data.
- Import data as a MATLAB table. Work with data stored as a table.
- Extract and analyse subsets of data that satisfy given criteria.
- Organize table data for analysis. Represent data using appropriate MATLAB data types.
- Learn to analyse Images in MATLAB.

COURSE OUTCOME



karnatak University's
Karnatak Science College, Dharwad

Computer Science Department

Certificate Course in "MATLAB Fundamentals" , 2022-23.

Course Outcome

MATLAB can be used as a tool for simulating various electrical networks. The recent developments in MATLAB make it a very competitive tool for Artificial Intelligence, Robotics, Image processing, Wireless communication, Machine learning, Data analytics and whatnot. It is a tool that enables computation, programming and graphically visualizing the results.

To help students this MATLAB Fundamental Certificate Course was organised. 81 students were enrolled with respect to the designed curriculum. The said certificate course was started on 02-11-2022 and completed on 06-2-2023.

After the completion of the course, Course completion Certificate was issued.

Course Coordinator

A handwritten signature in blue ink, appearing to read 'Ambika R'.

Smt. Ambika R



**Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD**

Department of BCA/Computer Science



1.2.2 - Number of Add on /Certificate programs

2022-23

Title: Digital Marketing

LIST OF STUDENTS ENROLLED

Karnatak University's
Karnatak Science College, Dharwad
Computer Science Department
BCA 1st Semester: Students enrolled for the Course
Add On Course: Digital Marketing

BCA 1st ^{Year} ~~Semester~~: Students enrolled for the Course in 2022-2023

Sl. No.	Registration No	Student Name	signature
1	U02AB22S0009	RAKSHITA NINGAPPA ARAKERI	Rkshita
2	U02AB22S0011	APOORVA V DODWAD	Apoorva
3	U02AB22S0020	SHRISHAILA G	Shrisha
4	U02AB22S0024	ANUSHA RINDAPPA GOUDAR	Anusha
5	U02AB22S0029	KAVANA J	Kavana
6	U02AB22S0047	KARUNAKAR MAHANTESH HADIMANI	Karuna
7	U02AB22S0063	ABHISHEK SHEGUNASI	Abhishek
8	U02AB22S0068	KADAM NITISHA NARAYAN	Nitisha
9	U02AB22S0099	ANU Y	Anu
10	U02AB22S0122	MEGHANA R PATIL	Meghana
11	U02AB22S0140	DIVYA BASAPPA KORAVAR	Divya
12	U02AB22S0149	KARTIK S SHIDRAMASHETTAR	Kartik
13	U02AB22S0185	PAWANKUMAR	Pawan
14	U02AB22S0186	SIMRAN RAJPUT	Simran
15	U02AB22S0222	VARSHINI KARAMUDI	Varshini
16	U02AB22S0231	KARTIK KAMATAGI	Kartik
17	U02AB22S0234	PRATHAMESH SOMESH HIREMATH	Prathamesh
18	U02AB22S0241	SHAMBHAVI BASAVARAJ HOTTUR	Shambhavi
19	U02AB22S0262	PREETI ISHWARAYYA MATHAD	P. I. Mathad
20	U02AB22S0353	NIKITHA B T	Nikitha
21	U02AB22S0354	S K SAHANA	S. K. Sahana
22	U02AB22S0355	VAIBHAVI PUROHIT	Vaibhavi
23	U02AB22S0356	SATVIK P KATAGI	Satvik
24	U02AB22S0357	ROHIT	Rohit
25	U02AB22S0358	RASHMI F SHIVANAGOUDRA	Rashmi
26	U02AB22S0359	RAHUL RAMESH KAMBLE	Rahul
27	U02AB22S0361	KAVITA MADAR	Kavita
28	U02AB22S0362	MADHU SHREE K R	Madhu
29	U02AB22S0363	VIJAY SHANKRAPPA GANIGER	Vijay
30	U02AB22S0364	SAHANA MASALATTI	Sahana
31	U02AB22S0365	CHANDRAKANT N NORAJAPPANAVAR	Chandra
32	U02AB22S0366	MEGHA ASHOKA B	Megha
33	U02AB22S0367	TASMIYA MULLA	Tasmiya
34	U02AB22S0368	SUSHMITA B GADAGWALE	Sushmita
35	U02AB22S0369	ROHINI SHANKAR TOTAD	Rohini
36	U02AB22S0370	BHAVYA MADHUKAR NAIK	Bhavya
37	U02AB22S0371	KAVITA RUDRAGOUDA HADIMANI	Kavita

38	U02AB22S0372	SHRIDHAR N MARASHIDDANNAVAR	Hand
39	U02AB22S0393	BASAVARAJ MANAPPA BADIGER	Baku
40	U02AB22S0394	MANJUNATH C TIRLAPUR	MSJ
41	U02AB22S0395	KARTHIK BASAVARAJ HUBBALLI	Reethu
42	U02AB22S0396	MANGALA S N	Hand
43	U02AB22S0397	PRAMOD SANJEEV MADARAKHANDI	Prasad
44	U02AB22S0398	VAISHNAVI P KUMBHAR	NLS
45	U02AB22S0399	T SWATHI	T-Swathi
46	U02AB22S0400	MOHAMMAD SAMI A HITTALMANI	SM.
47	U02AB22S0402	YASHODHA S URALEGADDI	yashodha
48	U02AB22S0406	SOMANGOWDA H PATIL	Spote
49	U02AB22S0407	VIJAYLAKSHMI H PATIL	OKPati
50	U02AB22S0408	SURAJ PRABHUDEV DHARWAD	—
51	U02AB22S0410	VAISHALI KALLAPPA BENNAPPANAVAR	Vaishali.K.P
52	U02AB22S0411	LINGARAJ SHIVALINGAPPA RAMANAL	LR
53	U02AB22S0557	SPOORTHI B K	Sp
54	U02AB22S0416	MANIKANT GULAPPA KESHAGOND	MKS
55	U02AB22S0418	MUTTANNA SHARANAPPA	MN
56	U02AB22S0421	TEJASHWINI BHAJANTRI	Tejashwini
57	U02AB22S0426	PRAJWAL LINGANAND SADHANI	Prajwal
58	U02AB22S0474	KEERTI BHANDARI	Keerti
59	U02AB22S0685	HARSHEET PATIL	Harsheet
60	U02AB22S0723	G. YASHWANTH	G
61	U02AB21S0611	CHINMAY PATIL	—
62	U02AB21S0613	SHREYAS P V	SPV
63	U02AB22S0264	CHANDRIKA CHIKKAMATH	Cv.Chikkamath
64	U02AB22S0265	RESHMA HOBAPPA LAMANI	Reshma
65	U02AB22S0283	Arun Kotur	ArunKotur
66	U02AB22S0284	ROOPA VEERAPPA KAMATAR	Roopa
67	U02AB22S0292	SANIYA MOMIN	Saini
68	U02AB22S0339	PALLAVI BARANGI	P
69	U02AB22S0340	SAVITHA	Savitha
70	U02AB22S0341	IMRAN AHAMAD H SHIRAHATTI	IMR
71	U02AB22S0342	NAMIRA YUNUS MULLA	Namira
72	U02AB22S0343	SANJAY R KHANAGOUDRA	Sanjay
73	U02AB22S0344	BALESH VENKAPPA MALALI	—
74	U02AB22S0345	PALLAVI G SHIVAPPAYYANAMATH	Pallavi
75	U02AB22S0346	TANISHA S SAMBRANI	T
76	U02AB22S0347	SHRISHAIL B SAVADI	S
77	U02AB22S0348	BASAVARAJ KALLAPPA MAJJIGUDDA	B
78	U02AB22S0349	J PRAJWAL NAYAK	J
79	U02AB22S0350	SANGAMESH KUMBAR	S
80	U02AB22S0351	DARSHAN T S	D
81	U02AB22S0352	ANKITA MOUNESH BADIGER	A
82	U02AB22S0373	RAKSHITA DEVARAYA NAYAK	R
83	U02AB22S0374	SALMANKHAN P BAVANAVAR	S
84	U02AB22S0375	LAXMI RANGAPPA MUKAPPANAVAR	L
85	U02AB22S0376	VINAYAK BASAPPA KANAVI	V

86	U02AB22S0377	PRAVEEN GANGAPPA HEBASOOR	Praveen
87	U02AB22S0378	VIJAYALAXMI S MANAGOOLI	Vijay
88	U02AB22S0379	NAGAVENI NAIK	Nagaveni
89	U02AB22S0380	AMRUT KUNDARAGI	Amruti
90	U02AB22S0381	SAHANA HEMANTKUMAR DETIN	S.H.Detin
91	U02AB22S0382	SHANTA	Shanta
92	U02AB22S0383	MEGHA M KARIYAPPANAVAR	Megha
93	U02AB22S0384	AISHWARYA S JAMANAL	Aishwarya
94	U02AB22S0385	MEGHA MARUTI BHOVI	Megha
95	U02AB22S0386	SWATI RAVI KALAL	Swati
96	U02AB22S0387	GOURAMMA GADAD	Gouramma
97	U02AB22S0388	BHAGYALAKSHMI SHIVANAND KOTUR	Bhagyalakshmi
98	U02AB22S0389	AKKAMMA NINGAPPA BATAGURKI	Akkamma
99	U02AB22S0390	SAMARTH KORI	Samarth
100	U02AB22S0392	UMESH JEMALMAPPA LAMANI	Umesh
101	U02AB22S0489	KAVITA JAMAKHANDI	Kavita
102	U02AB22S0499	SAHANA SHIVAPPA RUGI	Sahana
103	U02AB22S0515	PAVAN SANJAY PUJARI	—
104	U02AB22S0519	VIDYARANI HULAGERIMATH	Vidya
105	U02AB22S0522	DARSHAN GOVINDAPPA KITTUR	—
106	U02AB22S0524	M SATHVIKA	M Sathvika
107	U02AB22S0527	VAISHNAVI RENKIGOUDRA	Vaishnavi
108	U02AB22S0547	RANJITA S MALLIGAWAD	Ranjita
109	U02AB22S0552	SUJAN B PUJAR	Sujan
110	U02AB22S0415	ANUSHA SURESH HYATI	Anusha
111	U02AB22S0558	KUSUMA KEERTARADDI JAKARADDI	Kusuma
112	U02AB22S0572	SANTOSH SHANKRAPPA KWATI	Santosh
113	U02AB22S0575	KAVERI G BADIGER	Kaveri
114	U02AB22S0591	MEGHA PATIL	Megha
115	U02AB22S0598	CHETAN RAJU RUGI	Chetan
116	U02AB22S0634	PRIYANKA R KURAHATTI	Priyanka
117	U02AB22S0644	MANJUNATH K SOLARAGOPPA	Manjunath
118	U02AB22S0652	BHANUPRIYA S KANAMANI	Bhanupriya
119	U02AB22S0660	VARSHINI V IRESHNAWAR	Varshini
120	U02AB22S0688	VAIBHAV S. HEBBALLI	—
121	U02AB22S0697	CHETANA PATIL	Chetana
122	U02AB22S0709	ARYAN L	Aryan
123	U02AB22S0720	SHIVANAND PATIL	Shivanand
124	U02AB22S0726	VIDYAVATHI	Vidya
125	U02AB22S0718	MONIKA PATIL	Monika

126 U02BF21S0303 Anjali Bhandage

Anjali

DATE: / /

ಶಿಕ್ಷಣಾಧಿಕಾರಿಗಳ ಕಛೇರಿ, ಬಾಗಲಕೋಟೆ

Sl. No.	Name	1/2	1/3	1/4	1/5	1/6	1/7	1/8	1/9	1/10	1/11	1/12	1/13	1/14	1/15	1/16	1/17	1/18	1/19	1/20	1/21	1/22	1/23	1/24	1/25	1/26	1/27	1/28	1/29	1/30	1/31
71.	Laxmi B.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
72.	Mamidi Sharath Kumar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
73.	Sujan C.B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
74.	Arpita G.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
75.	Tabalum J.M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
76.	Manjunath B.D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
77.	Vijayalaxmi B k	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
78.	Karan T.B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
79.	Purukottam Y.B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
80.	Savitra	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
81.	Shivakumar.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
82.	Mitshkumar N.K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
83.	Ejashubha.R.D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
84.	Thurshika. K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
85.	Vikal V.M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
86.	Sayud Khan.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Teacher Name: Sir

Signature: [Signature]

Program Coordinator: [Signature]

Principal
Kannada Science College
Districal

CERTIFICATE



Karnatak University's

KARNATAK SCIENCE COLLEGE, DHARWAD

Course Title: *Digital Marketing*

2022-23



CERTIFICATE

This is to certify that Mr./Miss NIKITHA B.T

(Register No: U02AB2250353) has successfully completed the

certificate course in Digital Marketing from 02-11-2022 to 06-2-2023

[Signature]
Course Coordinator

[Signature]
IOAC Coordinator



[Signature]
Principal

Karnatak Science College
Dharwad

CURRICULUM



karnatak University's
Karnatak Science College, Dharwad
Computer Science Department



Certificate Course in "Digital Marketing" , 2022-23.

Course Overview:

Digital marketing is an essential skill for any business today. The opportunities are plenty, and so is the competition. This digital marketing course explores the concepts that help to develop the skills needed to create a winning strategy for any business. With this course, you can step into the digital marketing landscape and build the base to pursue advanced courses in this field.

Objectivise

- Understand the fundamentals of digital marketing and how to develop a successful digital marketing strategy for business.
- Learn about the different channels of digital marketing, like social media, email marketing, and content marketing.
- Gain hands-on experience in developing and implementing digital marketing campaigns through real-world projects and case studies.
- Create the company's mission, and unique selling proposition.
- Conduct market research, identify your target audience, and create a content marketing plan.
- Create and manage campaigns.
- Use social media to build brand awareness and drive website traffic.
- Use analytics and data to measure the effectiveness of your digital marketing campaigns and make data-driven decisions.
- Get a list of tips on how to find a job in digital marketing.
- Learn Social Media Marketing ,E-mail marketing.



karnatak University's
Karnatak Science College, Dharwad



Computer Science Department

Certificate Course in "Digital Marketing" , 2022-23.

Duration of Course: 3 months

Course Syllabus:

- Introduction Digital Marketing.
- Digital marketing strategy.
- Channels of digital marketing.
- Real-world projects and case studies.
- Unique selling proposition.
- Market research.
- Branding
- Marketing plan.
- Website traffic.
- Web Analytics & tools.
- Social Media Marketing (Fb, twitter, LinkedIn, YouTube, Instagram)
- E-mail marketing.

COURSE OUTCOME



karnatak University's
Karnatak Science College, Dharwad
Computer Science Department



Certificate Course in "Digital Marketing" , 2022-23.

Course Outcome

Digital Marketing helps people to reach a broader audience and target their future customers more efficiently & effectively. Digital Marketing is best option for computer science students to start their carrier.

119 students were enrolled for the designed curriculum. The said certificate course was started on 02-11-2022 and completed on 06-2-2023. After the completion of the course, examination was conducted on 08-02-2022 And based on student performance certificate was awarded.


Course Coordinator

Smt. Lalitha R Naik



**Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD**

Department of Physics



1.2.2 - Number of Add on /Certificate programs

2022-23

**Title: Maintenance of Laboratory
Equipments**

LIST OF STUDENTS ENROLLED



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD

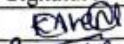


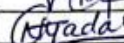
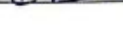


Department of Physics

Add on Course 2022-23

Course Title: Maintenance of Laboratory Equipments

Sl.No.	Name	UUCMS No.	Signature
1.	Shashikala M. M.	U02AB22S0294	
2.	Shashikala S. K.	U02AB22S0237	
3.	Chaitra P. A.	U02AB22S0035	
4.	Mahendra P.	U02AB22S0596	
5.	Malatesh	U02AB22S0503	
6.	Bharath S. P.	U02AB22S0494	
7.	Chaitra K.	U02AB22S0154	
8.	Soumya	U02AB22S0094	
9.	Ashita B. A.	U02AB22S0487	
10.	Ashwini S. D.	U02AB22S0103	
11.	Vinamruta K.K.	U02AB22S0493	v.k.kula 1
12.	Harshavardhana V.	U02AB22S0626	
13.	Basavaprakash	U02AB22S0622	
14.	Suma Patil	U02AB22S0569	
15.	Kavya S. Marathi	U02AB22S0650	
16.	Sneha Barker	U02AB22S0037	
17.	Deborah B. Veerendrapur	U02AB22S0689	
18.			
19.	Shrushti Kandagal	U02AB22S0031	
20.	Raksha H. M.	U02AB22S0032	
21.	Radhika Naik	U02AB22S0321	
22.	Pooja S.	U02AB22S0165	
23.	Jahar Khan	U02AB22S0221	
24.	Mubarak D. Tapal	U02AB22S0049	
25.			
26.	Suma N. Chawan	U02AB22S0539	
27.	Ravi S. Pujar	U02AB22S0542	

Sl.No.	Name	UUCMS No.	Signature
28.	Kaveri S. Pateela	U02EU21S0018	
29.	Gouri K. Koneri	U02AQ21S0145	
30.	Laxman C.	U02EU21S0059	
31.	Venkatesh	U02EU21S0034	
32.	Naveen Kumar	U02EU21S0024	

Total 30 students.

course coordinator
Dr. Nirupama J.M
Nirupama

STUDENTS ATTENDANCE

DEPARTMENT OF _____		KARNATAK SCIENCE		Dharwad's COLLEGE, DHARWAD																	
THEORY PRACTICAL ATTENDANCE REGISTER : MONTH _____ YEAR _____		CLASS & SEM _____		SUBJECT _____		DIVISION _____															
Sl. No.	Name	Register No.	Name of Student	Month _____ Year _____												Total Present	Mark %	Pre-Sem Subject Marks Total	Pre-Sem Total Marks	Total Pass Fail	Sig
				1	2	3	4	5	6	7	8	9	10	11	12						
1	Subhakarappa H. H.			P	P	P	P	P	P	P	P	P	P	P	P						
2	...			P	P	P	P	P	P	P	P	P	P	P	P						
3	...			P	P	P	P	P	P	P	P	P	P	P	P						
4	...			P	P	P	P	P	P	P	P	P	P	P	P						
5	...			P	P	P	P	P	P	P	P	P	P	P	P						
6	...			P	P	P	P	P	P	P	P	P	P	P	P						
7	...			P	P	P	P	P	P	P	P	P	P	P	P						
8	...			P	P	P	P	P	P	P	P	P	P	P	P						
9	...			P	P	P	P	P	P	P	P	P	P	P	P						
10	...			P	P	P	P	P	P	P	P	P	P	P	P						
11	...			P	P	P	P	P	P	P	P	P	P	P	P						
12	...			P	P	P	P	P	P	P	P	P	P	P	P						
13	...			P	P	P	P	P	P	P	P	P	P	P	P						
14	...			P	P	P	P	P	P	P	P	P	P	P	P						
15	...			P	P	P	P	P	P	P	P	P	P	P	P						
16	...			P	P	P	P	P	P	P	P	P	P	P	P						
17	...			P	P	P	P	P	P	P	P	P	P	P	P						
18	...			P	P	P	P	P	P	P	P	P	P	P	P						
19	...			P	P	P	P	P	P	P	P	P	P	P	P						
20	...			P	P	P	P	P	P	P	P	P	P	P	P						
21	...			P	P	P	P	P	P	P	P	P	P	P	P						
22	...			P	P	P	P	P	P	P	P	P	P	P	P						
23	...			P	P	P	P	P	P	P	P	P	P	P	P						
24	...			P	P	P	P	P	P	P	P	P	P	P	P						
25	...			P	P	P	P	P	P	P	P	P	P	P	P						

CERTIFICATE



Karnatak University's

KARNATAK SCIENCE COLLEGE, DHARWAD

Course Title: *Maintenance of Laboratory*

Equipments

2022-23



CERTIFICATE

This is to certify that Mr./Miss Tahir Khan

----- (Register No: U02AB22S0221) has successfully completed the

certificate course in Maintenance of Laboratory Equipments from 6-11-2022

to 5-01-2023

Murphyanna

Course Coordinator

IQAC Coordinator



SP
Principal

Karnatak Science College
Dharwad

CURRICULUM



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Physics

Add on Course in Physics

Course Title : Maintenance of Laboratory Equipments

Duration of the Course: 3 Months

Year: 2022-2023

Syllabus:

Maintenance of Laboratory Equipments

Introduction of current, voltage, resistors, capacitors, inductors. Series and Parallel connections resistors and capacitors. Uses of analog meters and Multimeter. Active and Passive components. AC sources (transformer dimmerstat), oscillators, DC sources (rectifiers, battery), AC and DC motors, fuse box, Checking the health of resistance box and rheostat, repair of extension box. Checking the health of capacitors and diodes. Soldering and de-soldering the wire. Maintenance of adaptors. Maintenance of decorative lamps and lights. Basics of wiring (phase, neutral) types of electrical wire, basics of home wiring.

Checking the health of travelling microscope, calibration of travelling microscope. Calibration of spectrometer.

Practical:

1. Measurement of different physical quantities like resistance, voltage current using analog and digital multimeter
 2. Checking the health of the resistance and rheostat
- Calibration of uncalibrated instruments

3. Checking the health of the diodes (Normal diode, Zener diode, photo diode, and LED's)
4. Checking the health of capacitors and inductors
5. Testing passive and active components using multimeter
6. Soldering and de soldering of components
7. Checking of the phase in AC supply (mains)
8. Study of Battery (Power supply)
9. Checking the telescope and its calibration
10. Checking the spectrometers alignment, focusing of collimator and telescope.

Reference Books:

1. A Text book of Electrical technology by B.L. Theraja and A.K. Theraja .
2. Principles of electronics by V.K. Mehta and Rohit Mehta
3. Practical Physics by C. L. Arora

COURSE OUTCOME



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Physics
Add on Course in Physics
Maintenance of Laboratory Equipments

Course conducted from 06-11-2022 to 05-01-2023

Course Outcomes:

- Able to use analog and digital meters and multimeters to measure currents voltages resistance, capacitance
- Able to know different types of rheostats, their power ratings and their applications
- Realize the importance of power rating of passive and active components
- Develop the skill of soldering and desoldering techniques
- Understand AC sources and DC sources.
- Able to identify Live, neutral and earth in the electrical appliances
- Able to identify the problems in telescope and are able to repair it by themselves
- Calibration of spectrometer
- Able to identify the problems in spectrometer and are able to repair it by themselves

The add-on course on "**Maintenance of Laboratory Equipments**" was conducted for B.Sc. I semester students in the department of Physics from 06-11-2022 to 05-01-2023. Totally 30 students enrolled for the course. The classes and practical were conducted for 6 weeks (12 hours theory and 26 hours practical). The performance of the students was assessed based on the demonstration and viva at the end of the course. The certificates were issued to all the successful students.

Course coordinator

Dr. Nirupama J.M.



**Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD**

Department of Physics



1.2.2 - Number of Add on /Certificate programs

2022-23

Title: Basic Instrumentation

LIST OF STUDENTS ENROLLED

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD

Department of Physics

ADD On Course -2022-2023

"Basic Instrumentation"

S.No.	Name of the student	Roll Number	UUCMS number	Signature
1	D. ChandruNaik	46	20S10078	Dij
2	Maneeshkumar K.R.	48	20S10157	Sanjay P.
3	Sanjeevreddy C.S.	51	20S10281	Sanjay
4	Hanumantray M. Patil	89	20S10103	Hanumantray
5	VinodN.Kwati	104	20S10391	Vinod N. Kwati
6	GeegyaNayak	88	20S10097	G. Nayak
7	Basavaraj M. Rotti	86	20S10052	Basavaraj
8	Abhishek B. Mavinakoppa	44	20S10002	Abhishek
9	Rohit B. Dhupdal	100	20S10254	Rohit B. Dhupdal
10	Vishnu C. Patil	53	20S10395	Vishnu C. Patil
11	GururajT.Kotagi	47	20S10099	Gururaj T. Kotagi
12	ShivanandKadakol	52	20S10318	Shivanand
13	Basavaraj	45	20S10051	Basavaraj
14	Rohit A. Sangogi	99	20S10253	Rohit A. Sangogi
15	ShivanandHalagatti	134	20S10315	Shivanand
16	Sangayya V. Hiremath	128	20S10278	Sangayya V. Hiremath
17	Lingraj C. Yalgond	117	20S10138	Lingraj C. Yalgond
18	Siddanagouda R. Biradar	136	20S10331	Siddanagouda R. Biradar
19	VikasDattatreyaShinde	153	20S12598	Vikas Dattatreya Shinde
20	Vinod R. Badiger	146	20S10392	Vinod R. Badiger
21	Gagan H.V.	114	20S10091	Gagan H.V.
22	Basanagouda	109	20S10047	Basanagouda
23	KedarlingNilajagi	149	20S12535	Kedarling Nilajagi
24	BasavarajNittur	110	20S10054	Basavaraj Nittur
25	Asif I. Banahatti	108	20S10043	Asif I. Banahatti
26	Veeranagouda K. Patil	144	20S10375	Veeranagouda K. Patil
27	Suresh B. Lokur	138	20S10350	Suresh B. Lokur
28	G. Arvindkumar Reddy	113	20S10090	G. Arvindkumar Reddy
29	Prateek U. Jeebi	123	20S10214	Prateek U. Jeebi
30	ShivanagKumbar	133	20S10313	Shivanag Kumbar
31	Nisar R. Sayyad	120	20S10195	Nisar R. Sayyad
32	Vivek M.D.	147	20S10399	Vivek M.D.
33	Mahesh	150	20S12543	Mahesh
34	Poornima M. Savadattimath	122	20S10205	Poornima M. Savadattimath
35	PallaviAngadi	121	20S10197	Pallavi Angadi
36	SanjanaTegginamani	129	20S10279	Sanjana Tegginamani
37	Chennamma	106	20S10075	Chennamma
38	Jayalakshmi B. Goudar	115	20S10108	Jayalakshmi B. Goudar

Trupana
Course Coordinator

CERTIFICATE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
Course Title: **Basic Instrumentation**
2022-23



CERTIFICATE

This is to certify that Mr./Miss Rohit B. Shephal

----- (Register No: 20S10254) has successfully completed the

certificate course in **Basic Instrumentation** from 13-11-2022 to 8-01-2023.

Musfana
Course Coordinator

IQAC Coordinator

[Signature]
Principal

Karnatak Science College
Dharwad



CURRICULUM



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Physics

Add on Course in Physics

Course Title : BASIC INSTRUMENTATION

Duration of the Course: 3 Months

Year: 2022-2023

Syllabus:

Multi meter: Comparison between analog and digital meters, Construction and working principle of multi range voltmeter, multi range ammeter and multi range ohm meter. Facilities available on Digital Multimeter (DMM using various makes)

Alternating Current, AC supply to home, Phase, Neutral and Earthing, Measurement of voltages between them.

DC Power Supply: Working principle of Primary cell, secondary cell, Battery eliminator, unregulated power supply, regulated power supply: regulated power supply using zener diode, regulated power supply using IC-78XX.

Introduction to Tool Kit: Types of screw drivers, Nose Plier, Cut Plier Stripper, Drilling Bits and Drilling machine, Soldering and de soldering techniques.

Active and Passive components: Difference between active and passive components, Power rating of components

Analog to digital A/D and Digital to Analog D/A conversation circuits: Flash converter, binary weighted converter, R-2R ladder converter, characteristics properties of conversation circuits.

Practical:

1. Measurement of different physical quantities using analog and digital multimeter
2. Construction of multi range voltmeter
3. Construction of multi range ammeter
4. Testing passive and active components using multimeter
5. Soldering and de soldering techniques: to assemble the components as in the circuit
6. Construction of primary cell: Leclanche and Daniel cell
7. Study of Battery eliminator
8. Study of Regulated power supply using Zener diode
9. Construction of Regulated power supply using IC-78XX
10. To study the Digital to Analog converter using R-2R ladder network

Reference Books:

1. A Text book of Electrical technology by B.L. Theraja and A.K. Theraja
2. Principles of electronics by V.K. Mehta and Rohit Mehta

COURSE OUTCOME



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Physics
Add on Course in Physics
BASIC INSTRUMENTATION

Course conducted from 13-11-2022 to 08-01-2023

Course Outcomes:

- Able to distinguish between analog and digital meters
- Learn to design the voltmeter and ammeter with different ranges
- Able to identify Live, neutral and earth in the electrical appliances
- Construct a primary cell of desired e.m.f.
- Able to distinguish between unregulated and regulated power supply
- Design regulated power supply for desired voltage
- Develop the skill of soldering and desoldering techniques
- Realize the importance of power rating of passive and active components
- Construct ADC and DAC, to understand the importance of ADC and DAC

The add-on course on "Basic Instrumentation" was conducted for B.Sc. V semester students in the department of Physics from 13-11-2022 to 08-01-2023. Totally 38 students enrolled for the course. The classes and practical were conducted for 7 weeks (12 hours theory and 24 hours practical). The performance of the students was assessed based on the demonstration and viva at the end of the course. The certificates were issued to all the successful students.

Course coordinator


Dr. Nirupama J.M.



**Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD**

Department of Criminology and Forensic Science



1.2.2 - Number of Add on /Certificate programs

2022-23

Title: Trafficking of Human Organs in India

LIST OF STUDENTS ENROLLED



KARNATAK UNIVERSITY'S

KARNATAK SCIENCE COLLEGE, DHARWAD

Department of Criminology and Forensic Science

Email : Principal.kscd@gmail.com Website: WWW.kcd.org.in



Certificate Course on Criminology and Forensic Science. 2022/2023

Duration 3 (Three) Months

List of Student's enrolled

Sl.No	Registration Number	Student Name	Signature
1	U02AB21S0656	Aishwarya. S. Aihalli	
2	U02AB21S0072	Ganesh. M. Devaramani.	
3	U02AB21S0599	Tranna. Kajagar	
4	U02AB21S0633	G. Abhisheka swamy	
5	U02AB21S0286	Sharad. H. Hiralli	
6	U02AB21S0262	Mutturaj. M. Thi-remath.	
7	U02AB21S0023	Supreet. S. Gouda	
8	U02AB21S0313	Kamlesh	
9	U02AB21S0155	Falroz. S. Sheddasanadi	
10	U02AB21S0425	Sudeep. B. Y	
11	U02AB21S0137	Ginsh Tirthappanavar	
12	U02AB21S0316	Starana Basava Marati	
13	U02AB21S0226	Suraj. Goni	
14	U02AB21S0469	Siddharth. M. gudmani	
15	U02AB21S0328	Amogha K S	
16	U02AB21S0273	VYSIRI	
17	U02AB21S0572	Sarjana. Y. masie	
18	U02AB21S0660	Pushpitha Rani. M.M	
19	U02AB21S0675	Triiveni. P. Neelannaras	
20	U02AB21S0007	Shreya. P	
21	U02AB21S0010	Swapna. Bhat	
22	U02AB21S0059	Yashwini. G	
23	U02AB21S0582	Sachin. N. Hiriyur	
24	U02AB21S0642	KPran. S. Pattar	
25	U02AB21S0406	Brajend. P. Tadhav	
26	U02AB21S0612	Archana. C. Navaleer	
27	U02AB21S0435	Koushalya. M. yalavatti	
28	U02AB21S0047	Suraj. B. Nadagoudra	
29	U02AB21S0411	Prasannagonda. S. K.	
30	U02AB21S0185	Emunath. S. Channurkar	
31			
32			
33			

CERTIFICATE



Karnatak University's

KARNATAK SCIENCE COLLEGE, DHARWAD

Course Title: Trafficking of Human Organs in India

2022-23



CERTIFICATE



This is to certify that Mr./Miss Amritha K S

(Register No: UO2 AB2150328) has successfully completed

the certificate course in **Trafficking of Human Organs in India** from 15.01.2023

to 22.05.2023


Course Coordinator


IQAC Coordinator


Principal
Karnatak Science College
Dharwad

CURRICULUM



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Syllabus:

Certificate course On “TRAFFICKING OF HUMAN ORGANS IN INDIA” 2022-2023

1. Introduction
2. Meaning-Trafficking Of Human Organs
3. Trends of Organ Trafficking
4. The Victims of Organ Trafficking
5. The Beneficiaries of Organ Trafficking
6. Financial Aspects of Organ Trafficking
7. Legal Aspects of National and International Level
8. The Impact of the Transplantation of Human Organs Act (THOA) 1994
9. National Organ and Tissue Transplant Organization (NOTTO)
10. National Human Organ and Tissue Removal and Storage Network
- 11.(UNODC) Global Report On Trafficking in Persons 2018
12. Preventive Measures
13. Anti-Human Trafficking Unit (AHTU)
14. Non Governmental Organizations (NGOs)
15. Prevention, Rescue, Rehabilitation, and Reintegration (PRRR)

Duration of the course: 3 Months


Course Coordinator



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Certificate Course in "TRAFFICKING OF HUMAN ORGANS IN INDIA" (Year 2022-2023)

About the course:

Now days so many criminal activities increasing in our society day by day, Among them are the illegal transplantation of human body organs is a serious crime, The importance of this study is very significance in today's era, How can such criminal acts be committed and what kind of law is violated in the medical field and How do criminals benefit from this? How can people become victims of such an act, the legal procedure of transplanting human organs, to know the prevention and detection of crime and also its significance role in the field of criminal justice system.

Objectives: After the completion of the certificate course, students will be able to:

- 1) Understand about the meaning and concept of Human Organs Trafficking
- 2) To know the mode of Organ Trafficking, preventive measures, efficient solutions, and Investigative mode
- 3) Understanding the Legal Aspects, National and International Level
- 4) To Understand the Prevention and Detection of Human Organs Trafficking through law Enforcement agencies
- 5) To know the role OF Police and NGOs


Course Coordinator

COURSE OUTCOME



KARNATAK UNIVERSITY'S

KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Certificate Course in "TRAFFICKING OF HUMAN ORGANS IN INDIA"

(Year 2022-2023)

Course outcome

List of 30 students were enrolled for certificate course in "TRAFFICKING OF HUMAN ORGANS IN INDIA" with respect to the designed curriculum. The said certificate course was started on 15/01/2023 and completed On 14/04/2023. After the completion of the course On 14/04/2023. The Examination was conducted On 30/04/2023 and based on the performance of the enrolled students in examination the certificate of course completion was awarded to students. All the relevant and required documents are uploaded.


Course Coordinator



**Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD**

Department of Zoology



1.2.2 - Number of Add on /Certificate programs

2022-23

Title: Applied Microbiology

LIST OF STUDENTS ENROLLED



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD.
 Microbiology Section
 Department of Zoology



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

No.KSCD/2022-23/

Date: 01/05/2022

Department of Microbiology
 Course Name: "APPLIED MICROBIOLOGY"
 List of Student enrolled for Certificate Course- - 2022-2023

Sl no	UUCMS No	Name of Students	Signature
1	U02AB22S0242	Shivanaddi B. A	
2	U02AB22S0249	Sneha Rajamani	
3	U02AB22S0252	H.M. Vinay.	
4	U02AB22S0291	Simran. S. Malagi.	
5	U02AB22S0307	Karthik. R. B	
6	U02AB22S0334	Shefa. A. A.	
7	U02AB22S0423	Vartsha	
8	U02AB22S0430	Rajwal Swamy. M.R	
9	U02AB22S0442	Dunagesh Musar	
10	U02AB22S0446	Chandrabhanth. G.H	
11	U02AB22S0484	Nehakousari. D.H	
12	U02AB22S0490	Bheemasay. B. Goundli	
13	U02AB22S0491	Rachana. v. Madanabhavi	
14	U02AB22S0517	Mahalaxmi. R. Hiremath	
15	U02AB22S0543	Vartsha H B	
16	U02AB22S0544	Disha V. Hegde	

17	U02AB22S0550	Prabhuras	Prabhuras
18	U02AB22S0581	Arun A.B	Arun
19	U02AB22S0590	Mailarappa B. Kamigoudar	M
20	U02AB22S0641	Chinmaya Kulkarni	Chinmaya
21	U02AB22S0642	Bajwal. R. Ravankar	Bajwal
22	U02AB22S0661	Komal. G. Mangalgatti	Komal
23	U02AB22S0692	Tyashree v	Tyashree
24	U02AB22S0700	Sanjana. Hiremath	Sanja
25	U02AB22S0703	Niharika. S. Bajantri	Niharika
26	U02AB22S0704	SRUJANA PATIL	Patil

Course Coordinator

Bajwal 01/5/22

Co-Ordinator
Microbiology

Karnatak Science College,
Dharwad-580 001

Chinmaya

COORDINATOR, IQAC
Karnatak Science College
Dharwad, Karnataka

CERTIFICATE



Karnatak University's

KARNATAK SCIENCE COLLEGE, DHARWAD

Course Title: APPLIED MICROBIOLOGY

2022-23

CERTIFICATE



This is to certify that Mr./Miss Mahalaxmi Hiserash

----- (Register No: U02AB 22S0517) has successfully completed the

certificate course in APPLIED MICROBIOLOGY from...04/5/2022 to 27/07/2022

Course Coordinator

Beauval

IQAC Coordinator

[Signature]

Principal

[Signature]

Karnatak Science College
Dharwad



CURRICULUM



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD.
Microbiology Section
Department of Zoology



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

No.KSCD/2022-23/

Date: 01/05/2022

Karnatak Science College, Dharwad Department of Microbiology 2022-2023

Course Name: "APPLIED MICROBIOLOGY"

Course duration: Three Months (01/05/2022- 31/07/2022)

About The Course: The Applied Microbiology is one of the Skill oriented course in the Field of Microbiology which focus on laboratory techniques in field of Agricultural, Dairy Food, Water and Waste water microbiology. All the techniques will be managed with experimental based procedures which will make students hands-on Expert.

Course Objectives:

After completing the certificate course in Applied Microbiology the students will be able to manage the :

- ✓ Microbiology related food testing experiments such as Resazurin assay Clot on Blot will help to identify the Microbial quality of Milk.
- ✓ Yeast and mould enumeration will help to analyze the contamination level of tested food sample.
- ✓ BOD and COD are the popular methods to analyse the quality of water and waste water of Industrial outlets.
- ✓ The Most Probable Number test is essential to check the potable quality of any fresh water bodies
- ✓ Testing of soil germs will help to manage role of soil health in plant growth promotion
- ✓ Study on antagonism is one of the emerging field in Agricultural Microbiology
- ✓ Study on plant pathogens will help in Disease management of many commercial crops



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD.
Microbiology Section
Department of Zoology



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

No.KSCD/2022-23/

Date: 01/05/2022

Karnatak Science College, Dharwad
Department of Microbiology - 2022-2023

Course Name: "APPLIED MICROBIOLOGY"

Course Syllabus:

36 hrs

1. Rapid testing methods for Microbial - Quality of Milk
2. Physical and Chemical tests for waste water – TDS, TSS and COD
3. Microbiological tests for waste water – DO and BOD
4. Isolation and Identification of microbes from Soil
5. Mass cultivation and applications of Bio fertilizers – Azolla
6. Isolation and Identification of plant pathogens – Tikka, downy mildew of sorghum, Blast of Rice and Rust of Wheat
7. Study of antagonism with Soil isolates and pathogens
8. Mass cultivation and applications of Bio pesticides – Trichoderma
9. Isolation and Identification of Rhizosphere microbes

Course Coordinator

Shamshul

Co-Ordinator
Microbiology

Karnatak Science College,
Dharwad-586 001

COURSE OUTCOME



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD.
Microbiology Section
Department of Zoology



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

No.KSCD/2022-23/

Date: 01/05/2022

Karnatak Science College, Dharwad
Department of Microbiology 2022-2023

Certificate course in "APPLIED MICROBIOLOGY"

In the present scenario of scientific world of Research As part of add on course in Microbiology Department the total 26 students of II semester were enrolled for certificate course entailed "Applied Microbiology" which is designed to fulfil the academic curriculum and to train the students in applied field of Microbiology. The said course is started on 01/05/2022 to 31/07/2022. Upon completion students skills were tested by laboratory exams and also issued the course completion certificate to enrolled students.

All the relevant documents were uploaded

Course Coordinator

Dhanakul
Co-Ordinator
Microbiology

Karnatak Science College,
Dharwad-580 001

Chiranjyoti

COORDINATOR, IQAC
Karnatak Science College
Dharwad-580 001, Karnataka

Changal sri

2021-22

Sl.No	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Course Code (if any)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
2021-22 :03					
1	Biochemical Tests	BIT-01	2021-22	1	3 months
2	Maintenance of Labarotary Equipments	PHY-01	2021-22	1	3 months
3	Basic Instrumentation	PHY-01	2021-22	1	3 months
4	Applied MicroBiology	MCB-01	2021-22	1	3 months
5	Domestic Violence Against Women in India	FSC-01	2021-22	1	3 months
6	Catrographic Representation of Geographic Data	GEO-01	2021-22	1	3 months



**Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD**

Department of Biotechnology



ADD ON/CERTIFICATE PROGRAMS

2021-22

Course Title: Biochemical Tests

LIST OF STUDENTS ENROLLED



Karnatak University's
Karnatak Science College, Dharwad
Department of Biotechnology
Certificate Course on "Bio-Chemical Tests" " 2021-22
Duration (January to March) 3 months



List of students enrolled

Sl. No.	Registration Number	Name	Sign
1	19S10045	Anusha .D. Hurali	Anusha
2	19S10052	Aruna Patil	Aruna
3	19S10076	Chandakala .B. Menad	Chandakala
4	19S10131	Jyoti . R. Enagi	Jyoti
5	19S10198	Najmeen .S. yaragudi	Najmeen
6	19S10327	Shivakumar A. Shilashyed	Shivakumar
7	19S10329	Shikani .S. Tonne	Shikani
8	19S10395	Veena . R.	Veena
9	19S10006	Abhishek Angadi	Abhishek
10	19S10046	Anusha NB	Anusha
11	19S10048	Apoorva Pawar	Apoorva
12	19S10050	Kpita . K. Pujar	Kpita
13	19S10070	Bhumnika .S.S	Bhumnika
14	19S10079	Chandrasekhar . B .	CB
15	19S10158	Maaz .H. Sanadi	Maaz
16	19S10237	Pooja . S. Patil	Pooja
17	19S10260	Rhadhika . C. Avaradhi	Rhadhika
18	19S10309	Satyashree .S. Ganagee	Satyashree
19	19S10312	Sayan .V. Nayak	Sayan
20	19S10336	Shiksha .R. Adavi	Shiksha
21	19S10382	Thalavasa Lakshmpulka	Thalavasa

COURSE CO-ORDINATOR

Dr. P. G. Venkatesh

IQAC - CO-ORDINATOR

Dr. L.T. Nayak

PRINCIPAL

Dr. A.S. Bellal

CERTIFICATE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
Certificate Course in "Biochemical Tests"



2021-22

This is to certify that Mr./Miss Sayam V Nayak (Register No:

19S10312) has successfully completed the certificate course in "Biochemical Tests"
from 01-01-2022 to 31-03-2022

Course Coordinator

IQAC Coordinator

Principal

CURRICULUMN



Karnatak University's
Karnatak Science College, Dharwad



Department of Biotechnology

Certificate Course in “Biochemical Tests”

2021-2022

About the Course:

Biochemical Tests advance our understanding of the chemical structures and processes that underpin human health and disease, revealing the underlying transformations between them. Bio-Chemical techniques are important of any clinical laboratory. In this certificate course the students analyze fluid, tissues and blood samples to perform a variety of diagnoses. They generally work under the supervision of subject experts.

Objective:

After the completion of the certificate course, students will be able to:

- Set up, maintain, calibrate, clean and test sterility of medical laboratory equipment. Collect blood or tissue samples from patients, observing principles of asepsis to obtain blood samples.
- Conduct chemical analysis of body fluids, such as blood or urine, using microscope or to detect abnormalities or diseases.
- Conduct blood tests for transfusion purposes and perform blood counts. Inoculate fertilized eggs, broths, or other bacteriological media with organisms.
- Analyze the results of tests or experiments to ensure conformity to specifications, using special mechanical or electrical devices.
- Consult with a pathologist to determine a final diagnosis when abnormalities are found. Analyze and record test data to issue reports.

Duration of the Course: 3 Months

Syllabus of Certificate Course on Biochemical Tests

1. Pathological examination of urine for proteins Sulpho salicylic acid test.
2. The colorimetric estimation of uric acid in urine by the reduction of arseno-phosphotungstate by Benedict and Franke.
- 3.Total RBC Count.
4. Total WBC Count.
5. Estimation of Haemoglobin.
6. The colorimetric estimation of ascorbic acid (Vitamin C).
- 7.Determination of blood group and Rh factor.
- 8.The quantitative analysis of urine volume , specific gravity , odour , colour and transparency .

COURSE OUTCOME



Karnatak University's

Karnatak Science College, Dharwad



Department of Biotechnology

Certificate Course in "Biochemical Tests"

2021-2022

Course outcome

List of 21 Students were enrolled for certificate course on Biochemical Tests. With respect to the designed course curriculum, the assessment of the course was done. The said course was started on 01-01-2022 and completed on 31-03-2022, after completion of the course the examination was conducted in the department of biotechnology and based on the students performance in the examination the course completion certificates were issued to the students.

A handwritten signature in black ink, appearing to read 'Dr. R. G. Kallehanbler'.

Course coordinator

Dr. R. G. Kallehanbler



**Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD**

DEPARTMENT OF PHYSICS



ADD ON/CERTIFICATE PROGRAMS

2021-22

Course Title: Maintenance of Laboratory Equipments

LIST OF STUDENTS ENROLLED



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Physics

Add on Course 2021-22

Course Title: Maintenance of Laboratory Equipments

List of the students Registered.

Sl.No.	Name	UUCMS No.	Signature
1.	Veeranagouda S. S.	U02AB21S0235	
2.	Akkamahadevi M. Badiger	U02AB21S0240	
3.	Anjali S. Hippali	U02AB21S0164	
4.	Lavanya R. Pawar	U02AB21S0520	
5.	Musharafa R. Landage	U02AB21S0673	
6.	Swati Y. Mulimani	U02AB21S0377	
7.	Mallikarjuna H. N.	U02AB21S0064	
8.	Ashwath A.	U02AB21S0615	
9.	Nagaraj D. R.	U02AB21S0272	
10.	Sambaji D. H.	U02AB21S0561	
11.	Suhas S. M.	U02AB21S0052	
12.	Anusha N.S.	U02AB21S0071	
13.	Sherya Potadar	U02AB21S0671	
14.	Praveen F. Sogalad	U02AB21S0442	
15.	Leelavati M.	U02AB21S0058	
16.	Kotteppagouda N.P	U02AB21S0118	
17.	Kavya B. C.	U02AB21S0238	
18.	Srusti S. K.	U02AB21S0249	
19.	Hemavati V.	U02AB21S0640	
20.	Aishwarya S. G.	U02AB21S0641	
21.	Shamant R.S.	U02AB21S0120	
22.	Basavaraj S.K.	U02AB21S0159	
23.	Srushti G.B.	U02AB21S0418	

Course Coordinator

(Dr. Greeta Chavan)

STUDENTS ATTENDANCE



KARNATAK SCIENCE COLLEGE
KARNATAKA

DEPARTMENT OF PHYSICS

THEORY/ PRACTICAL ATTENDANCE REGISTER : MONTHLY YEAR

Sl. No.	Roll No.	Register No.	NAME OF STUDENT	Gender	Date-->												
					Cat.	30/10/21	31/10/21	1/11/21	2/11/21	3/11/21	4/11/21	5/11/21	6/11/21	7/11/21	8/11/21	9/11/21	10/11/21
1		U02AB21 S0235	Veeranagouda S.S.			P	P	P	P	P	P	P	P	P	P		
2		U02AB21 S0240	Akkamahadevi M.B.			A	P	P	P	P	P	P	P	P			
3		U02AB21 S0164	Anjali S.H.			A	P	P	P	A	A	P	P	P			
4		U02AB21 S0520	Lavanya R. Ravas			A	P	P	P	A	P	P	P	P			
5		U02AB21 S0673	Mushrafa R.L.			A	P	P	P	P	P	P	P				
6		U02AB21 S0377	Swati Y. Mulimani			A	P	P	P	P	P	P	A	P			
7		U02AB21 S0064	Malikarjuna H.N.			A	P	P	A	A	P	P	P				
8		U02AB21 S0615	Ashwath A			A	P	P	P	P	P	A	P				
9		U02AB21 S0272	Nagaraj D.R.			A	P	P	P	A	P	P	A	P			
10		U02AB21 S0561	Sambaji D.H.			P	P	P	P	P	P	P	P				
11		U02AB21 S0052	Suhas S.M.			A	P	P	P	A	A	P	P	P			
12		U02AB21 S0071	Anursha N.S.			P	P	P	P	P	P	P	P				
13		U02AB21 S0671	Sherya Potadar			A	P	P	P	P	A	P	P				
14		U02AB21 S0442	Praveen F. Sogalad			A	P	P	P	P	P	P	P				
15		U02AB21 S0058	Leelarati M.			P	P	P	P	P	P	P	P				
16		U02AB21 S0118	Kotepagouda N.P.			A	P	P	A	P	P	P	P				
17		U02AB21 S0238	Kavya B.C.			P	P	P	P	P	P	P	P				
18		U02AB21 S0249	Shruti S.K.			A	P	P	P	P	P	P	P				
19		U02AB21 S0640	Hemavati V.			A	P	P	P	P	P	P	P				
20		U02AB21 S0641	Aishwarya S.G.			A	A	P	P	P	P	P	P				
21		U02AB21 S0120	Shamant R.S.			P	P	P	P	P	P	P	P				
22		U02AB21 S0159	Basavaraj S.K.			A	P	P	A	P	P	P	P				
23		U02AB21 S0418	Shruti G.B.			A	P	P	P	P	P	P	P				
24																	
25																	

Teacher Signature : _____

Total Class Conducted _____

Signature of H.O.D. _____

CERTIFICATE



Karnatak University's

KARNATAK SCIENCE COLLEGE, DHARWAD

Course Title: *Maintenance of Laboratory
Equipments*

2021-22



CERTIFICATE

This is to certify that Mr./Miss Veeranna gouda S.S.-----

----- (Register No: U02AB21S0235) has successfully completed the
certificate course in Maintenance of Laboratory Equipments from...30.10.2021
to 07.01.2022


Course Coordinator


IQAC Coordinator


Principal

CURRICULUMN



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD

Department of Physics

Add on Course in Physics

Course Title : Maintenance of Laboratory Equipments

Duration of the Course: 3 Months

Year: 2021-2022

Syllabus:

Maintenance of Laboratory Equipments

Introduction of current, voltage, resistors, capacitors, inductors. Series and Parallel connections resistors and capacitors. Uses of analog meters and Multimeter. Active and Passive components. AC sources (transformer dimmerstat), oscillators, DC sources (rectifiers, battery), AC and DC motors, fuse box, Checking the health of resistance box and rheostat, repair of extension box. Checking the health of capacitors and diodes. Soldering and de-soldering the wire. Maintenance of adaptors. Maintenance of decorative lamps and lights. Basics of wiring (phase, neutral) types of electrical wire, basics of home wiring.

Checking the health of travelling microscope, calibration of travelling microscope.
Calibration of spectrometer.

Practical:

1. Measurement of different physical quantities like resistance, voltage current using analog and digital multimeter
2. Checking the health of the resistance and rheostat
Calibration of uncalibrated instruments

3. Checking the health of the diodes (Normal diode, Zener diode, photo diode, and LED's)
4. Checking the health of capacitors and inductors
5. Testing passive and active components using multimeter
6. Soldering and de soldering of components
7. Checking of the phase in AC supply (mains)
8. Study of Battery (Power supply)
9. Checking the telescope and its calibration
10. Checking the spectrometers alignment, focusing of collimator and telescope.

Reference Books:

1. A Text book of Electrical technology by B.L. Theraja and A.K. Theraja
2. Principles of electronics by V.K. Mehta and Rohit Mehta
3. Practical Physics by C. L. Arora

COURSE OUTCOME



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Physics
Add on Course in Physics

Maintenance of Laboratory Equipments

Course conducted from 30-10-2021 to 07-01-2022

Course Outcomes:

- Able to use analog and digital meters and multimeters to measure currents voltages resistance, capacitance
- Able to know different types of rheostats, their power ratings and their applications
- Realize the importance of power rating of passive and active components
- Develop the skill of soldering and desoldering techniques
- Understand AC sources and DC sources.
- Able to identify Live, neutral and earth in the electrical appliances
- Able to identify the problems in telescope and are able to repair it by themselves
- Calibration of spectrometer
- Able to identify the problems in spectrometer and are able to repair it by themselves

The add-on course on "**Maintenance of Laboratory Equipments**" was conducted for B.Sc. I semester students in the department of Physics from 30-10-2021 to 07-01-2022. Totally 30 students enrolled for the course. The classes and practical were conducted for 6 weeks (12 hours theory and 26 hours practical). The performance of the students was assessed based on the demonstration and viva at the end of the course. The certificates were issued to all the successful students.

Course coordinator

A handwritten signature in black ink, appearing to read 'Geeta Chavan'.

Dr. Geeta Chavan.



**Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD**

DEPARTMENT OF PHYSICS



ADD ON/CERTIFICATE PROGRAMS

Course Title: Basic Instrumentation

2021-22

LIST OF STUDENTS ENROLLED



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Physics

ADD On Course 2021-2022

Basic Instrumentation

S.No.	Name of Students	Roll Number	UUCMS number	Signature
1	Ravi Y. Bisali	159	19S10279	<i>Ravi Y. Bisali</i>
2	Mahesh B.S	65	19S10169	<i>Mahesh B.S</i>
3	Anil.S.Talawar	121	19S10035	<i>Anil S. Talawar</i>
4	Ravikumar Patil	109	19S10280	<i>Ravi. P.</i>
5	Surekha B.Y.	109	19S10367	<i>Surekha</i>
6	Rahul Baragali	107	19S10266	<i>Rahul</i>
7	Vijaykumar	116	19S10266	<i>Vijaykumar</i>
8	Sudha H.N	85	19S10360	<i>Sudha</i>
9	Ravi S. Tegur	158	19S10223	<i>Ravi S. Tegur</i>
10	Sidram lali	172	19S10346	<i>Sidram lali</i>
11	Pandureddi Halemani	51	19S10223	<i>Pandureddi Halemani</i>
12	Laxmi N.M	74	19S10152	<i>Laxmi N.M</i>
13	Shweta S.Manure	57	19S10343	<i>Shweta S. Manure</i>
14	Basavaraj Sattigeri	125	19S10064	<i>Basavaraj Sattigeri</i>
15	Bheemaraddy	41	19S10068	<i>Bheemaraddy</i>
16	Kishor P Pawar	94	19S10148	<i>Kishor P Pawar</i>
17	Laxman M	95	19S10151	<i>Laxman M</i>
18	Shredevi M	170	19S10334	<i>Shredevi M</i>
19	Kavita D.C	139	19S10138	<i>Kavita D.C</i>
20	Vena Badagi	068	19S10391	<i>Vena Badagi</i>
21	Vanishree K.	101	19S10390	<i>Vanishree K.</i>
22	Shweta A.	98	19S10342	<i>Shweta A.</i>
23	Sneha Jatyakar	173	19S10352	<i>Sneha Jatyakar</i>
24	Gangabai N.S	93	19S10106	<i>Gangabai N.S</i>
25	Vidya Kamble	177	19S10401	<i>Vidya Kamble</i>
26	Rakhesh J. Waddar	108	19S10274	<i>Rakhesh J. Waddar</i>
27	Mahadevi M.B.	48	19S10163	<i>Mahadevi M.B.</i>
28	Kirankumar H.K	140	19S10147	<i>Kirankumar H.K</i>
29	Sangamesh H.V	163	19S10298	<i>Sangamesh H.V</i>
30	Basavraj M.H	104	19S10062	<i>Basavraj M.H</i>
31	Deepa Y.A	133	19S10094	<i>Deepa Y.A</i>
32	Lakshmi M.H	141	19S10150	<i>Lakshmi M.H</i>
33	Shana Patil	160	19S10290	<i>Shana Patil</i>
34	Shrinath Nayak	115	19S10335	<i>Shrinath Nayak</i>
35	Veeranna Kusali	61	19S10396	<i>Veeranna Kusali</i>

Course Coordinator

Smt. Jyothi S. Doddamani



KARNATAK SCIENCE
Karnatak

University's
COLLEGE, DHARWAD



DEPARTMENT OF Physics

THEORY/PRACTICAL ATTENDANCE REGISTER : MONTH Aug - Oct, YEAR 2021-22 CLASS & SEM. IV SUE

Sl. No.	Roll No.	Register No.	NAME OF STUDENT	Gender	Dates																												
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
1	129	1920156	Kavita D.C.	F	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
2	173	1920553	Sudha Jaiswal	F	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
3	177	1921261	Vidya Kamble	F	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
4	140	1920147	Kiran Kumar H.L.	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
5	163	1920286	Sangamsh H.V.	F	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
6	133	1920296	Dnyesha Y.A.	F	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
7	141	1920150	Zalshru M.Hudur	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
8	140	1921028	Sahana Rishi	F	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
9	145	1921028	Shweta A	F	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
10	105	1920274	Ratul Waddu	F	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
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Treasurer Signature :

CERTIFICATE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
Course Title: **Basic Instrumentation**
2021-22



CERTIFICATE

This is to certify that Mr./Miss Kishor P. Pawar -----

----- (Register No: 19SI0148) has successfully completed the
certificate course in Basic Instrumentation from...15/8/2021... to ...3/10/2021.....

Course Coordinator

IQAC Coordinator

Principal

CURRICULUMN



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Physics

Add on Course in Physics

Course Title : BASIC INSTRUMENTATION

Duration of the Course: 3 Months

Year: 2021-2022

Syllabus:

Multi meter: Comparison between analog and digital meters, Construction and working principle of multi range voltmeter, multi range ammeter and multi range ohm meter. Facilities available on Digital Multimeter (DMM using various makes)

Alternating Current, AC supply to home, Phase, Neutral and Earthing, Measurement of voltages between them.

DC Power Supply: Working principle of Primary cell, secondary cell, Battery eliminator, unregulated power supply, regulated power supply: regulated power supply using zener diode, regulated power supply using IC-78XX.

Introduction to Tool Kit: Types of screw drivers, Nose Plier, Cut Plier Stripper, Drilling Bits and Drilling machine, Soldering and de soldering techniques.

Active and Passive components: Difference between active and passive components, Power rating of components

Analog to digital A/D and Digital to Analog D/A conversation circuits: Flash converter, binary weighted converter, R-2R ladder converter, characteristics properties of conversation circuits.

Practical:

1. Measurement of different physical quantities using analog and digital multimeter
2. Construction of multi range voltmeter
3. Construction of multi range ammeter
4. Testing passive and active components using multimeter
5. Soldering and de soldering techniques: to assemble the components as in the circuit
6. Construction of primary cell: Leclanche and Daniel cell
7. Study of Battery eliminator
8. Study of Regulated power supply using Zener diode
9. Construction of Regulated power supply using IC-78XX
10. To study the Digital to Analog converter using R-2R ladder network

Reference Books:

1. A Text book of Electrical technology by B.L. Theraja and A.K. Theraja
2. Principles of electronics by V.K. Mehta and Rohit Mehta

COURSE OUTCOME



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Physics

Add on Course in Physics

Course Title : BASIC INSTRUMENTATION

Duration of the Course: 3 Months

Year: 2021-2022

Course Outcomes:

After completion of the course the student should be able to

- Differentiate between analog and digital multimeter and know the construction and working of the both multimeters.
- Analyse AC supply of home and able to know phase, Neutral and earthing and should be able to measure voltage between them.
- Realize the working principle of primary cell, secondary cell, battery eliminator, unregulated power supply, regulated power supply
- Realize the zener diode as regulated power supply
- Know the use of Tool Kit: Types of screw drivers, Nose Plier, Cut Plier Stripper, Drilling Bits and Drilling machine, Soldering and de soldering techniques.
- Differentiate between active and passive components, Power rating of components
- Analyse analog to digital A/D and Digital to Analog D/A conversion circuits: Flash converter, binary weighted converter, R-2R ladder converter, characteristics properties of conversion circuits.

Add on Course on basic instrumentation was conducted for 35 students with the 36 teaching hours which includes 12 hour of theory and 24 hour of practical from 15th August to 3rd of October 2021. Assessment of students was based on their demonstration and viva to the coordinator and teachers. The certificates are issued to students who have successfully completed the course.

Course Coordinator



Smt. Jyothi S. Doddamani



**Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD**

DEPARTMENT OF ZOOLOGY



ADD ON / CERTIFICATE PROGRAMS

2021-22

Course Title: Applied Microbiology

LIST OF STUDENTS ENROLLED



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD.
 Microbiology Section
 Department of Zoology




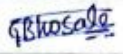
Phone No: 0836-2215410 & 2215400 Fax: 0836-2744334
 Email: principal.kscd@gmail.com Web: www.karnatakcollege.com

No.KSCD/2021-22/

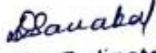
Date: 01/05/2021

Department of Microbiology
Course Name: "APPLIED MICROBIOLOGY"
 List of Student enrolled for Certificate Course- - 2021-2022

Sl no	UUCMS No	Name of Students	Signature
1	U02AB21S0015	Savita. Irabasayya. Pujar	
2	U02AB21S0043	Laxmi. S. Pujar	
3	U02AB21S0061	Uvena. S. MUP	
4	U02AB21S0091	Kajal. Nitin. Mokashi	
5	U02AB21S0093	Pavitra.D.Harjjan	
6	U02AB21S0102	Nandadeepa Ishwar patlavall	
7	U02AB21S0189	Chinnappa. G	
8	U02AB21S0250	Vinayak. A	
9	U02AB21S0289	Umme Fariga B	
10	U02AB21S0335	Srushti. U. Masalji.	
11	U02AB21S0339	Anusha. Shridhar. Naik	
12	U02AB21S0373	Dhanyashree Naik	
13	U02AB21S0396	Komal. M. Gisi	
14	U02AB21S0408	ABHISHEK SURESH BADAMI	
15	U02AB21S0415	Tejaswini. Ramappa. Daddakkanava	
16	U02AB21S0416	Yogita .G. Hiremath	
17	U02AB21S0422	Nireeksha. Badiger	
18	U02AB21S0479	Shivakumar Bhajartej	

19	U02AB21S0499	Sukanya .S. Shisrahatti	
20	U02AB21S0588	Gayatri.S.Bhosale	
21	U02AB21S0679		

Course Coordinator


Co-Ordinator 01/5/21
Microbiology

Karnatak Science College,
Dharwad-580 001



COORDINATOR, IQAC
Karnatak Science College
Dharwad-580 001 Karnataka

CERTIFICATE



Karnatak University's

KARNATAK SCIENCE COLLEGE, DHARWAD

Course Title: APPLIED MICROBIOLOGY

2021-22



CERTIFICATE

This is to certify that Mr./Miss Abhishek S. Badami

(Register No: U02AB2150408) has successfully completed the
certificate course in APPLIED MICROBIOLOGY from 07/05/2021 to 14/07/2021


Course Coordinator


IQAC Coordinator


Principal

CURRICULUM



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD.
Microbiology Section
Department of Zoology



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

No.KSCD/2021-22/

Date: 01/05/2021

Karnatak Science College, Dharwad Department of Microbiology 2021-2022

Course Name: "APPLIED MICROBIOLOGY"

Course duration: Three Months (01/05/2021- 31/07/2021)

About The Course: The Applied Microbiology is one of the Skill oriented course in the Field of Microbiology which focus on laboratory techniques in field of Agricultural, Dairy Food, Water and Waste water microbiology. All the techniques will be managed with experimental based procedures which will make students hands-on Expert.

Course Objectives:

After completing the certificate course in Applied Microbiology the students will be able to manage the :

- ✓ Microbiology related food testing experiments such as Resazurin assay Clot on Blot will help to identify the Microbial quality of Milk.
- ✓ Yeast and mould enumeration will help to analyze the contamination level of tested food sample.
- ✓ BOD and COD are the popular methods to analysis the quality of water and waste water of Industrial outlets.
- ✓ The Most Probable Number test is essential to check the potable quality of any fresh water bodies
- ✓ Testing of soil germs will help to manage role of soil health in plant growth promotion
- ✓ Study on antagonism is one of the emerging field in Agricultural Microbiology
- ✓ Study on plant pathogens will help in Disease management of many commercial crops



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD.
Microbiology Section
Department of Zoology



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

No.KSCD/2021-22/

Date: 01/05/2021

Karnatak Science College, Dharwad
Department of Microbiology - 2021-2022

Course Name: "APPLIED MICROBIOLOGY"

Course Syllabus:

36 hrs

1. Rapid testing methods for Microbial - Quality of Milk
2. Physical and Chemical tests for waste water – TDS, TSS and COD
3. Microbiological tests for waste water – DO and BOD
4. Isolation and Identification of microbes from Soil
5. Mass cultivation and applications of Bio fertilizers – Azolla
6. Isolation and Identification of plant pathogens – Tikka, downy mildew of sorghum, Blast of Rice and Rust of Wheat
7. Study of antagonism with Soil isolates and pathogens
8. Mass cultivation and applications of Bio pesticides – Trichoderma
9. Isolation and Identification of Rhizosphere microbes

Course Coordinator


Co-Ordinator
Microbiology

Karnatak Science College,
Dharwad-580 001

COURSE OUTCOME



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD.
Microbiology Section
Department of Zoology



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

No.KSCD/2021-22/

Date: 01/05/2021

Karnatak Science College, Dharwad
Department of Microbiology 2021-2022

Certificate course in "APPLIED MICROBIOLOGY"

In the present scenario of scientific world of Research, as part of add on course in Microbiology Department the total of 21 students of II B.Sc semester were enrolled for certificate course entailed "Applied Microbiology" which is designed to fulfil the academic curriculum and to train the students in applied field of Microbiology. The Said course is started on 01/05/2021 to 31/07/2021. Upon completion of this course the students skills were tested by laboratory exams and also issued the course completion certificate to the enrolled students.

All the relevant documents were uploaded

Course Coordinator

Sauabai
Co-Ordinator
Microbiology

Karnatak Science College,
Dharwad-580 001

Arjun

COORDINATOR, IQAC
Karnatak Science College
Dharwad-580 001, Karnataka

Arjun



Karnatak University's

KARNATAK SCIENCE COLLEGE DHARWAD

DEPARTMENT OF CRIMINOLOGY AND FORENSIC SCIENCE



ADD ON/CERTIFICATE PROGRAMME

Title: DOMESTIC VIOLENCE AGAINST WOMEN IN INDIA

2021-22

LIST OF STUDENTS ENROLLED



KARNATAK UNIVERSITY'S

KARNATAK SCIENCE COLLEGE, DHARWAD

Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in



Certificate Course on Criminology and Forensic Science. 2021/2022

Duration 03 (Three) Months

List of Student's enrolled

Sl.No	Registration Number	Student Name	Signature
1	205W010	Aishwarya L G	[Signature]
2	205W025	Amogh R	[Signature]
3	205W035	Aarjan G S	[Signature]
4	205W036	Ayan D	[Signature]
5	205W039	Ashwathi R, Menon	[Signature]
6	205W040	Ashwini	[Signature]
7	205W087	Dixita S H	[Signature]
8	205W089	Dixit Nayak	[Signature]
9	205W094	Ganesh Kamru	[Signature]
10	205W098	Govindreddy AT	[Signature]
11	205W107	Jatavharaj M A	[Signature]
12	205W110	Jyoti V M	[Signature]
13	205W113	K H N Sarabhi	[Signature]
14	205W132	Krishna V G	[Signature]
15	205W142	Madhura M H	[Signature]
16	205W191	Nikhita M D	[Signature]
17	205W200	Pisupati Harekatha	[Signature]
18	205W201	Pooja Kamadalli	[Signature]
19	205W202	Pooja Madhwalay	[Signature]
20	205W208	Pradeepkannu	[Signature]
21	205W265	Sandeep M M	[Signature]
22	205W269	Sahana V N	[Signature]
23	205W230	Kanith	[Signature]
24	205W329	Swata Swati	[Signature]
25	205W336	Siddayya M H	[Signature]
26	205W336	Siyanta B K	[Signature]
27	205W361	Timmayya	[Signature]
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DEPARTMENT OF *Genetics and Population Science*

UNIVERSITY'S COLLEGE, DHARWAD

THEORY/PRACTICAL ATTENDANCE REGISTER : MONTH *2023-24*

CLASS & SEM *B.Sc. Botany* SUBJECT *Genetics*

Division in India Division

Sl. No.	Reg. No.	NAME OF STUDENT	Gender	MONTH												Total Present	Module No.	Pre-Sem. Marks	Pre-Sem. Total Marks	Exams/Prac. Pass	Type
				1	2	3	4	5	6	7	8	9	10	11	12						
1	2023236	<i>Sybilina K.A.</i>		<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>							
2	2023237	<i>Pranav K.A.</i>		<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>							
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Examiner Signature

[Signature]

CERTIFICATE



Karnatak University's

KARNATAK SCIENCE COLLEGE, DHARWAD

Course Title: "Domestic Violence Against Women in India"

2021-22



CERTIFICATE

This is to certify that Mr./Miss Dixit Nayak

(Register No: 20510089) has successfully completed

the certificate course in "Domestic Violence Against Women in India"

from 15.01.2022 to 14.04.2022


Course Coordinator


IQAC Coordinator


Principal

CURRICULUM

KARNATAK UNIVERSITY'S

KARNATAK SCIENCE COLLEGE, DHARWAD

Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Syllabus:

Certificate course On "DOMESTIC VIOLENCE AGAINST WOMEN IN INDIA" 2021-2022

- . Introduction
- . Meaning, Definition and forms of domestic violence against women
- . Scope and significance of the issue
- . Intersectionality and differential experiences of violence
- . Types of abuse and patterns of victimization
- . Risk Factors and Protective Factor
- . Individual, relational, community, and societal determinants
- . Intersectional perspectives on risk and resilience
- . Implications for prevention and intervention strategies
- . Consequences of Domestic Violence
- . Physical, psychological, and emotional health outcomes
- . Economic and social impacts
- . Legal and Policy Responses
- . Legislative frameworks and legal reforms
- . Public awareness campaigns and education programs

Duration of the course: 3 Months



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Certificate Course in "DOMESTIC VIOLENCE AGAINST WOMEN IN INDIA" (Year 2021-2022)

About the course:

Domestic violence against women is a pervasive and deeply rooted human rights issue with significant social, economic, and health implications. It provides a comprehensive literature on domestic violence against women, examining its prevalence, risk factors, consequences, and interventions. It explores the complex dynamics of domestic violence and highlights the multifaceted nature of this phenomenon. Additionally, it critically evaluates the effectiveness of various interventions, including legal reforms, support services, community-based initiatives, and prevention programs, and also to combat domestic violence and promote the safety, autonomy, and well-being of women worldwide.

Objectives: After the completion of the certificate course, students will be able to:

1. Understanding the Prevalence and Patterns of Domestic Violence
2. To know the Risk Factors and Protective Factors
3. To understanding Consequences of Domestic Violence
4. To know the Legal and Policy Responses
5. Understanding Support Services and Interventions

COURSE OUTCOME



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Certificate Course in “DOMESTIC VIOLENCE AGAINST WOMEN IN INDIA”

(Year 2021-2022)

Course outcome

List of 27 students were enrolled for certificate course in “DOMESTIC VIOLENCE AGAINST WOMEN IN INDIA” with respect to the designed curriculum. The said certificate course was started on 15/01/2022 and completed On 14/04/2022. After the completion of the course On 14/04/2022. The Examination was conducted On 30/04/2022 and based on the performance of the enrolled students in examination the certificate of course completion was awarded to students. All the relevant and required documents are uploaded.



Karnatak University's

KARNATAK SCIENCE COLLEGE DHARWAD

DEPARTMENT OF GEOGRAPHY



ADD ON/CERTIFICATE PROGRAMME

Title: CARTOGRAPHIC REPRESENTATION OF
GEOGRAPHIC DATA

2021-22

NOTICE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY



No. KSCD/Geog/2021-22/

Date: 17-04-2022

NOTICE

It is hereby informed to all the B.Sc. students of the Department of Geography Karnatak Science College Dharwad, that a certificate course on "Cartographic Representations of Geographic Data" will be started in the Department of Geography Karnatak Science College Dharwad, from 22-05-2022. Therefore, all the interested B.Sc. students of Geography Department should contact course coordinator Dr. D. S. Narayankar for their enrollment for the said course on or before 17-05-2022. As the seats are limited, the selection will be on first come first serve basis.


Course Coordinator


Principal

LIST OF STUDENTS ENROLLED



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY
Certificate Course on "Cartographic Representation of Geographic Data"
Duration (December to February) 3 Months
2021-22



List of Students Enrolled

Sl.No.	Register Nos.	Name of the Students	Signature
1	U02AB0130013	Amayusna . D . C	Amayusna
2	U02AB2150076	Soumalaya . Hatti	Soumalaya
3	U02AB0160004	Shreedhar . C .	Shreedhar
4	U02AB0130069	Shivangada . H . K	Shivangada
5	U02AB0130009	Arta Hebsu	Arta
6	U02AB0130171	Vishal . S . Camari	Vishal
7	U02AB2150194	Priya . Alge	Priya
8	U02AB2150205	Sangeeta Shetaladdi	Sangeeta
9	U02AB2150390	Jasmi . C . Anandiyawar	Jasmi
10	U02AB2150424	Pandit . R .	Pandit
11	U02AB2130A36	Sanjeev . V . Hadimani	S. V. Hadimani
12	U02AB0130440	Arun Hosatti	A. H. Hosatti
13	U02AB2160454	Chumya . G . Angadi	Chumya
14	U02AB2160507	Chiranjeevi . S .	Chiranjeevi
15	U02AB0130579	Srushti . Mudalagi	Srushti
16	U02AB0130662	Pooja . Chandrappa . Beesalli	Pooja
17	U02AB0130053	Masuti . R . Benakanalli	Masuti
18	U02AB0130066	Sumil . V . Patted	Sumil
19	U02AB2150112	Prajwal . B . Shisambhimath	Prajwal
20	U02AB0130154	Kiran . M . Kadappetti	Kiran
21	U02AB0130157	Shabbir . Anegandi	Shabbir
22	U02AB2160268	Chinnay . C . Sindagi	Chinnay
23	U02AB0130310	Ganesh	Ganesh
24	U02AB0130315	Rohit . R . Kamble	Rohit
25	U02AB2130384	Pavankumar . L . J	Pavankumar
26	U02AB0130428	Yogesh . B . Gangannavar	Yogesh
27	U02AB0130439	Ajit . Pawar	Ajit
28	U02AB0130477	Sumil . Siddappa . Ainapur	Sumil
29	U02AB0130487	Sunil . Mahesh . Bommanhalli	Sunil
30	U02AB0130491	Pradeepa . Shikhandappa . Barki	Pradeepa
31	U02AB2130502	Vishal . Ganesha . Turai	Vishal
32	U02AB0130586	Hanamanth . Bhimsheppa . Malli	Hanamanth
33	U02AB0130600	Satvik . Prakash . Madhure	Satvik
34	U02AB0130602	GanapatKumar	GanapatKumar
35	U02AB0130655	Prajwal . Vasant . Kamal	Prajwal


Course Coordinator


IQAC Coordinator


Principal



KARNATAK SCIENCE
Karnatak

University's
COLLEGE, DHARWAD



2021-2022

"Atiyantik Kavya'sha 9 Gyanale's Dala"

2021-2022

DEPARTMENT OF Science
THEORY/PRACTICAL ATTENDANCE REGISTER : MONTH _____ YEAR _____

Sl. No.	Register No.	NAME OF STUDENT	Grade	MONTH												Total Present	Mobile No.	Pr. Sem. Subject Marks TMRP	Pr. Sem. Total Marks	Dist. Final	Sig.
				1	2	3	4	5	6	7	8	9	10	11	12						
1	0602150334	Ramachandra L.J.	A																		
2	0455	Vijaya Sampath	A																		
3	0454	Aravind Kumar	A																		
4	0457	Sunil S. Shivapuri	A																		
5	0454	Sunil H. Ananthappa	A																		
6	0455	Pradeep S. Karki	A																		
7	0502	Vishal G. Tare	B																		
8	0506	Jayashankar Nelli	B																		
9	0400	Satish P. Madhavi	C																		
10	0602	Sampath Kumar	D																		
11	0455	Pradeep V. Kumar	B																		
12																					
13																					
14																					
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20																					
21																					
22																					
23																					
24																					
25																					

Teacher Signature

CLASS & SEM: B.Sc.

SUBJECT: _____

DIVISION: _____

COOR. CASHIER
D. S. Madhavi

14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

CERTIFICATE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
Department of Geography
2021-22



Course Title : Cartographic Representation of Geographic Data



This is to certify that **Miss Srushti Mudalagi** (Register No.: U02AB21S0579) has successfully completed the Certificate Course in **Cartographic Representation of Geographic Data** from 22-05-2022 to 07-08-2022.


Course Coordinator


IQAC Coordinator


Principal

CURRICULUMN

Course Syllabus

Title of the Course “Cartographic Representation of Geographic Data”

Unit 1: Cartogram:

1. Rectangular Cartogram
2. Traffic flow Cartogram
3. Isochronic Cartogram

Unit 2: Distribution Maps

4. General Requirements for the construction of distribution maps
5. Methods for drawing distribution maps
6. Types of distribution maps
7. Advantages and disadvantages of distribution maps

Unit 3: Conventional Symbol for Landform Features, Surface Material and Process wise Landforms:

8. Mapping of Surface Materials
9. Mapping Process
10. Anthropogenic Features

Unit 4: Types of Maps:

11. Types of Maps
12. Colours used
13. Preparation of Geomorphological Map
14. Preparation of Climatological Maps: Isotherm, Isobars, Isohyet, Isoneph, Isonomals and Isopleths of Aridity and Moisture.

References:

1. Clarke, K.C.(1990): Analytical Computer Cartography, Englewood Cliffs, N.J. Practice-Hall
2. Mishra, R.P. and Ramesh(1989): Fundamentals of Cartography
3. Singh, G. : Map Work and Practical Geography, DVS Publication
4. Sing R.L. and Singh R.P.B.(1999): Elements Practical Geography, Kalyani Publishers.
5. Sing, R.L.: Fundamentals of Practical Geography, DVS Publication
6. Singh, G. : Map Work and Practical Geography, DVS Publication
7. Pijushkanti Saha, Pratha Basu.,(2010):Advanced Practical Geography,Books and Allied (P) Ltd, Kolkata.

Name of the programme : "Cartographic Representation of Geographic Data"

Type of the programme: Certificate Course

Contact Hours: 36

Full Marks: 50

Academic Year: 2021-22

Course Objectives:

The main objectives of this course are to make the students to learn about the different types of maps and learned to prepare distributional map and geomorphological by using different cartographic methods.

Learning Outcomes:

The learning outcomes of this course are as follows:

1. To understand the cartogram
2. To understand the general requirements for the construction of distribution maps.
3. To learn different methods for drawing distribution maps
4. To understand Anthropogenic Features
5. To learn how to prepare geomorphological and climatological maps

Assessment and Grading:

After completion of the course, an examination of 20 marks will be held containing 10 multiple choice and short type questions carrying 2 marks each. Practical examination of 30 marks will be held to test the learner's compatibility in working with different instruments used in survey.

Successful candidates will be awarded a certificate of completion of the course mentioning the grade secured in the examination.

COURSE OUTCOME



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY
2021-22



Certificate Course in "Cartographic Representation of Geographic Data"

No. KSCD/Geog/2021-22/

Date: 18-08-2022

Course Outcome

The certificate course in "Cartographic Representation of Geographic Data" was started with 35 B.Sc. students of Geography Department Karnatak Science College Dharwad. Created two batches and classes were conducted from 22-05-2022 and completed on 07-08-2022. The class hour was of 36 comprising of both theory and practical. After the completion of the course, students learned different techniques and methods in cartogram also learned to prepare geographical distribution and geomorphological maps. Students also learned about the advantages and disadvantages of the distributional maps. All the 35 enrolled students appeared in the examination which was conducted on 14-08-2022 and based on the performance in examination, the certificate of course completion was awarded to the student.

All the relevant and required documents are uploaded.


Course coordinator

IQAC Coordinator


Principal

2020-21

Sl.No	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Course Code (if any)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
2020-21 :03					
1	Techniques of Biochemistry	BIT-01	3 months	29	29
2	Combating Human trafficking in India	FSC-01	3 months	29	29
3	Techniques in Aerial photography and Remote Sensing	GEO-01	3 months	30	30



**Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD**

Department of Biotechnology



ADD ON/CERTIFICATE PROGRAMS

2020-21

Course Title: Techniques of Biochemistry

LIST OF STUDENTS ENROLLED



Karnatak University's
Karnatak Science College, Dharwad
Department of Biotechnology
Certificate Course on "Techniques of Biochem" 2020-21
Duration (January to March) 3 months



List of students enrolled in "Techniques of Biochemistry"

Sl. No.	Registration Number	Name	Sign
1	18510175	Mahesh U. Waghore	
2	18510004	Afsnaz . M. Aloor	
3	18510019	Akhala . V. Handi	
4	18510059	Ashwini Talwar	
5	185100162	Laxmi Garavankol	
6	18510167	Madhumree . Gunaki	
7	18510247	Rajneel . S. Pawar	
8	18510289	Sachin B.R	
9	18510290	Sadhana . S.C	
10	18510305	Sapna . B. Daddamani	
11	18510361	Sounya . Y. Saranne	
12	18510383	Rishna . Gummari	
13	18510387	Swati . Lav. C	
14	18510415	Vijay Golipalle	
15	18510417	Vijaylaxmi	
16	18510023	Akshala Bhosale	
17	18510041	Anwar. Pasha	
18	18510055	Ashwini . H. Muttalghi	
19	18510068	Bhagyashree . L. Bilagi	
20	18510070	Bhavathi Kumar BTL	
21	18510072	Bhavana . Gummallayya	
22	18510088	Chetan . S. Patil	
23	18510078	Chaitra , Mannikeri	
24	18510181	Manikantha . P.K	
25	18510197	Megha Chavan	
26	18510356	Shruti Bidai	
27	18510356	Sounya . S. Gupjae	
28	18510368	Sukanya Talagere	
29	18510405	Veena G. Melhalagi	

COURSE CO-ORDINATOR
Dr. D. G. Halkarnik

IQAC - CO-ORDINATOR
Dr. L. T. Malhotra

PRINCIPAL
Dr. A. S. Bellad



KARNATAK SCIENCE COLLEGE, DHARWAD

UNIVERSITY COLLEGE, DHARWAD

2020-2021

DEPARTMENT OF Bio-Technology

THEORY/PRACTICAL ATTENDANCE REGISTER: MONTH _____ YEAR _____

Sl. No.	Roll No.	Register No.	NAME OF STUDENT	Date											Total	Satisfactory		
				01	02	03	04	05	06	07	08	09	10	11			12	
1			HEMANTH MANJUNATH B. B.															
2			ABHIR MANJUNATH B. B.															
3			HEMANTH MANJUNATH B. B.															
4			HEMANTH MANJUNATH B. B.															
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Teacher Signature

Total Class Conducted _____

CLASS & SEM: Bio-chemical Technology SUBJECT: _____ DIVISION: 1

Sl. No.	Roll No.	Register No.	NAME OF STUDENT	Date											Total	Satisfactory		
				01	02	03	04	05	06	07	08	09	10	11			12	
1			HEMANTH MANJUNATH B. B.															
2			ABHIR MANJUNATH B. B.															
3			HEMANTH MANJUNATH B. B.															
4			HEMANTH MANJUNATH B. B.															
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24																		
25																		

Total contributions by students

Principal -
Dr. S. Abhaid

Signature of Principal

CERTIFICATE



Karnatak University's

KARNATAK SCIENCE COLLEGE, DHARWAD

Certificate Course in "Techniques of Biochemistry"

2020-21



This is to certify that Mr./Miss **CHAITRA MANNIKERI** (Register No:

18S10078) has successfully completed the certificate course in "Techniques of

Biochemistry" from 01-01-2021 to 31-03-2021

Course Coordinator

IQAC Coordinator

Principal

CURRICULUMN



Karnatak University's
Karnatak Science College, Dharwad



Department of Biotechnology

Certificate Course in "Techniques of Biochemistry"

2020-2021

About the Course:

Techniques of Biochemistry advance our understanding of the chemical structures and processes that underpin human health and disease, revealing the underlying transformations between them. Bio-Chemical techniques are important of any clinical laboratory. In this certificate course the students analyze fluid, tissues and blood samples to perform a variety of diagnoses. They generally work under the supervision of subject experts.

Objective:

After the completion of the certificate course, students will be able to:

- Conduct blood tests for transfusion purposes and perform blood counts. Inoculate fertilized eggs, broths, or other bacteriological media with organisms.
- Set up, maintain, calibrate, clean and test sterility of medical laboratory equipment. Collect blood or tissue samples from patients, observing principles of asepsis to obtain blood samples.
- Conduct chemical analysis of body fluids, such as blood or urine, using microscope or to detect abnormalities or diseases.
- Analyze the results of tests or experiments to ensure conformity to specifications, using special mechanical or electrical devices.
- Consult with a pathologist to determine a final diagnosis when abnormalities are found. Analyze and record test data to issue reports.

Duration of the Course: 3 Months

Syllabus of Certificate Course on Techniques of Biochemistry

- 1. Pathological examination of urine Esbach's quantitative method for albumin.**
- 2. Total RBC Count.**
- 3. Total WBC Count.**
- 4. Estimation of Haemoglobin.**
- 5. Determination of blood group and Rh factor.**
- 6. Quantitative determination of total nitrogen by Kjeldahl-Gunning method.**
- 7. Colorimetric estimation of vitamin D2 and D3.**
- 8. Estimation of blood urea and serum creatinine.**

COURSE OUTCOME



Karnatak University's
Karnatak Science College, Dharwad



Department of Biotechnology

Certificate Course in "Techniques of Biochemistry"

2020-2021

Course outcome

List of 29 Students were enrolled for certificate course on Techniques of Biochemistry. With respect to the designed course curriculum, the assessment of the course was done. The said course was started on 13-01-2021 and completed on 26-03-2021. After completion of the course the examination was conducted in the department of biotechnology and based on the student's performance in the examination the course completion certificates were issued to the students.

A handwritten signature in black ink, appearing to read 'Dr. R G Kallehumbkar'.

Course coordinator

Dr. R G Kallehumbkar



Karnatak University's

KARNATAK SCIENCE COLLEGE DHARWAD

DEPARTMENT OF CRIMINOLOGY AND FORENSIC SCIENCE



ADD ON/CEETIFICATE PROGRAMME

Title: COMBATING HUMAN TRAFFICKING IN INDIA

2020-21

LIST OF STUDENTS ENROLLED



KARNATAK UNIVERSITY'S

KARNATAK SCIENCE COLLEGE, DHARWAD

Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in



Certificate Course on Criminology and Forensic Science. 2020/2021

Duration 03 (Three) Months

List of Student's enrolled

Sl.No	Registration Number	Student Name	Signature
1	19510291	Saipoojita B	[Signature]
2	19510292	Sakkabai Rathod	[Signature]
3	19510294	Sanakoung Yasaentli	[Signature]
4	19510297	Sandhya Desai	[Signature]
5	19510300	Sangeeta B K	[Signature]
6	19510312	Shambhari L Dasari	[Signature]
7	19510314	Shamshabadi S Hatti	[Signature]
8	19510319	Shabikamaly H Deade	[Signature]
9	19510323	Shelba Kopyyagamy	[Signature]
10	19510326	Shivakumary Bhatt	[Signature]
11	19510335	Shivath Nayak	[Signature]
12	19510338	Shreshail K. N. S.	[Signature]
13	19510341	Savita Badigely	[Signature]
14	19510345	Siddhartha	[Signature]
15	19510347	Simyan A M	[Signature]
16	19510355	Somesh Balikandakoti	[Signature]
17	19510361	Sathayani Mummabai	[Signature]
18	19510374	Swaswida H Desai	[Signature]
19	19510379	Tanya K Nayak	[Signature]
20	19510384	Nadav Ussi	[Signature]
21	19510393	Veena Hiranmath	[Signature]
22	19510400	Vidhy S	[Signature]
23	19510404	Vijay S D	[Signature]
24	19510405	Vidya Kamaly	[Signature]
25	19510410	Vidya Kamaly A M	[Signature]
26	19510411	Vinayak A B	[Signature]
27	19510417	Vishal M B	[Signature]
28	19510418	Vishal P	[Signature]
29	19510420	Yamanoojappa	[Signature]
30			
31			
32			
33			

CERTIFICATE



Karnatak University's

KARNATAK SCIENCE COLLEGE, DHARWAD

Course Title: "Combating Human Trafficking in India"

2020-21



CERTIFICATE

This is to certify that Mr./Miss Sa'adulita B

(Register No: 19S10291) has successfully completed

the certificate course in "Combating Human Trafficking in India" from...15.01.2021
to ...14.04.2021


Course Coordinator


IQAC Coordinator


Principal



CURRICULUM



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Syllabus:

Certificate course On “ **COMBATING HUMAN TRAFFICKING IN INDIA** ” 2020-2021

Introduction

Introduction

Definition and scope of human trafficking

prevalence and dynamics of human trafficking in India

Socio-Economic Drivers of Human Trafficking

Gender inequality and discrimination

Trafficking for sexual exploitation

Trafficking for forced labor, including domestic servitude, bonded labour, and child labour

Women and children

Legislative measures and international conventions

Prevention Strategies and Community Engagement

Awareness-raising campaigns and education initiatives

Duration of the course: 3 Months



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Certificate Course in "COMBATING HUMAN TRAFFICKING IN INDIA " (Year 2020-2021)

About the course:

Combating Human Trafficking in India

Human trafficking is a grave violation of human rights and a significant global challenge, with India being one of the countries most affected by this crime. It provides an in-depth examination of the complex phenomenon of human trafficking in India, It explores the socio-economic, cultural, and institutional factors that contribute to the perpetuation of human trafficking in India. Additionally, it evaluates the effectiveness of legal frameworks, law enforcement efforts, victim support services, and prevention strategies, combating human trafficking and protecting the rights and dignity of victims.

Objectives: After the completion of the certificate course, students will be able to:

1. To know the Socio-Economic Drivers of Human Trafficking,
2. To study about Forms and Manifestations of Human Trafficking
3. To understand Vulnerable Populations and Risk Factors
4. Understand Legal Frameworks and Policy Responses
5. To know the Prevention Strategies and Community Engagement
6. To know the Role of international organizations and NGOs

COURSE OUTCOME



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Certificate Course in "COMBATING HUMAN TRAFFICKING IN INDIA "

(Year 2020-2021)

Course outcome

List of 29 students were enrolled for certificate course in "COMBATING HUMAN TRAFFICKING IN INDIA " with respect to the designed curriculum. The said certificate course was started on 15/01/2021 and completed On 14/04/2021. After the completion of the course On 14/04/2021. The Examination was conducted On 30/04/2021 and based on the performance of the enrolled students in examination the certificate of course completion was awarded to students. All the relevant and required documents are uploaded.



Karnatak University's

KARNATAK SCIENCE COLLEGE DHARWAD

DEPARTMENT OF GEOGRAPHY



ADD ON/CERTIFICATE PROGRAMME

**Title: TECHNIQUES IN AERIAL PHOTOGRAPHY AND
REMOTE SENSING**

2020-21

NOTICE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY



No. KSCD/Geog/2020-21/

Date: 25-11-2020

NOTICE

It is hereby informed to all the B.Sc. students of the Department of Geography Karnatak Science College Dharwad, that a certificate course on "Techniques in Aerial Photography and Remote Sensing" will be started in the Department of Geography Karnatak Science College Dharwad, from 03-01-2021. Therefore, all the interested B.Sc. students of Geography Department should contact course coordinator Dr. D. S. Narayankar for their enrollment for the said course on or before 27-12-2020. As the seats are limited, the selection will be on first come first serve basis.

Course Coordinator

Principal

LIST OF STUDENTS ENROLLED



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY
Certificate Course on "Techniques in Aerial Photography and Remote Sensing"
Duration (January to March) 3 Months – 2020-21



List of Students Enrolled

Sl.No.	Register Number	Name of the Students	Signature
1	18S10016	Akshata. A Chauhan	Akshata
2	18S10024	Abshay. G.	Abshay
3	18S10034	Anil C. Pawar	Anil
4	18S10045	Arun N. Desai	Arun
5	18S10046	Arun H. Lamani	Arun
6	18S10069	Bharati G. Shetty	Bharati
7	18S10084	Chondu. S. Japali	Chondu
8	18S10087	Chetan Kalbhari	Chetan
9	18S10126	Ishwar. D. Chauhan	Ishwar
10	18S10128	Talaja. V.	Talaja
11	18S10136	Kalpna B. Gudigoppa	Kalpna
12	18S10144	Kavya M. Hosamani	Kavya
13	18S10143	Kavya Hunsimata	Kavya
14	18S10164	Lynia Wilson	Lynia
15	18S10178	Malika Kengal	Malika
16	18S10184	Manjunath. S. Dhangond	Manjunath
17	18S10003	Nader Sohail	Nader
18	18S10205	Nagajun Bililei	Nagajun
19	18S10213	Naveenkumar	Naveenkumar
20	18S10248	Prakash Narayanpur	Prakash
21	18S10261	Priya Pundikalad	Priya
22	18S10264	Priyanka mada	Priyanka
23	18S10270	Raghunath R. H.	Raghunath
24	18S10317	Shivan N. Patil	Shivan
25	18S10340	Sidda. S. mali	Sidda
26	18S10343	Shidharth M. Kamble	Shidharth
27	18S10367	Sujata. S. Halane	Sujata
28	18S10388	Tayanna Nagiger	Tayanna
29			


Course Coordinator


IQAC Coordinator


Principal

CERTIFICATE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
Department of Geography
2020-21



Course Title : Techniques in Aerial Photography and Remote Sensing



This is to certify that **Miss Lynia Wilson** (Register No.: 18S10164) has successfully completed the
Certificate Course in Techniques in Aerial Photography and Remote Sensing from 03-01-2021
to 11-07-2021.


Course Coordinator


IQAC Coordinator


Principal

CURRICULUM

Course Syllabus

Title of the Course "Techniques in Aerial Photography and Remote Sensing"

Unit 1: Aerial Photos and their interpretation:

1. Types of Aerial Photos
2. Determination of scale of Aerial Photos

Unit 2: Arrangement of Aerial photos and Stereo-vision

3. Aerial Photos and Stereo-vision
4. Fused Photographs or Stereo-pairs
5. Use of Stereoscope
6. properties of Aerial Photos

Unit 3: Identification Features:

7. Distortion of Shape on Aerial Photo and Identification of Relief
8. Spectral Sensitivity Variation in Films and Identification
9. Identification of Features based on Tonal Variation

Unit 4: Image Interpretation:

10. Satellite Image Interpretation
11. Visual Interpretation

Unit 5: Application of Remote Sensing and Image Classification:

12. Application of Remote Sensing in Land Resources, Meteorology and Hydrology
13. Image classification on a computer platform
14. Mapping from satellite image
15. Ground truth verification using Google Earth.

References:

1. Avery T.E and Berlin G.L.,(1992): Fundamentals of Remote Sensing and Aerial Photo Interpretatio, 5th Edition, Prentice Hall, New Jersey.
2. Lillesand T. Mand Kiefer R. W. (2021): Remote Sensing And Image Interpretation, 7th Edition, Jhon Wiley & Sons, Canada.
3. Jensen J. R. (2012): Remote Sensing of Environment: An Earth Resources Perspective, 2nd Edition, Pearson Education, Upper Saddle River, Prentice Hall, New Jersey.
4. Narayan LRA,(1999): Remote Sensing and Its Application, Universities Press (India)Pvt Ltd, Hydrabad.
5. Rampal K.K.(1999): Handbook of Aerial Photography and Interpretation, Concept Publising Co, New Delhi.

Name of the programme : "Techniques in Aerial Photography and Remote Sensing"

Type of the programme: Certificate Course

Contact Hours: 36

Full Marks: 50

Academic Year: 2020-21

Course Objectives:

The main objectives of this course are to make the students to understand the remote sensing techniques to apply modern technology in various geographical areas. To interpret remotely sensed data. To analyze digital images and it also make the students to interpret the aerial photos.

Learning Outcomes:

The learning outcomes of this course are as follows:

1. To understand the remote sensing techniques
2. To apply modern technology in various geographical areas.
3. To interpret remotely sensed data.
4. To analyze digital images and also to interpret the aerial photos.

Assessment and Grading:

After completion of the course, an examination of 20 marks will be held containing 10 multiple choice and short type questions carrying 2 marks each. Practical examination of 30 marks will be held to test the learner's compatibility in working with different instruments used in survey.

Successful candidates will be awarded a certificate of completion of the course mentioning the grade secured in the examination.

COURSE OUTCOME



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY



Certificate Course in "Techniques in Aerial Photography and Remote Sensing"

2020-21

No. KSCD/Geog/2020-21/

Date: 21-07-2021

Course Outcome

About 28 students were enrolled for certificate course in "Techniques in Aerial Photography and Remote Sensing" with respect to the designed curriculum. Two batches were created consisting 14 students per batch, the said certificate course was started on 03-01-2021 and completed on 11-07-2021. The class hour was of 36 comprising of both theory and practical. After the completion of the course, students learned remote sensing techniques, learned to apply modern technology in various geographical areas and also learned to analyze digital images and Aerial photo interpretation. After completion of course the examination was conducted on 18-07-2021 and based on the performance of the enrolled students in examination the certificate of course completion was awarded to the students.

All the relevant and required documents are uploaded.


Course coordinator

IQAC Coordinator


Principal

2019-20

Sl.No	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Course Code (if any)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
2019-20 :03					
1	Biological Techniques	BIT-01	3 months	30	30
2	Child Trafficking in India	FSC-01	3 months	30	30
3	Natural Hazard and Disaster Management	GEO-01	3 months	30	30



**Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD**

Department of Biotechnology



ADD ON/CERTIFICATE PROGRAMS

2019-20

Course Title: Biological Techniques

LIST OF STUDENTS ENROLLED



Karnatak University's
Karnatak Science College, Dharwad
Department of Biotechnology
Certificate Course on "Biological Techniques" 2019-20
Duration (January to March) 3 months



List of students enrolled

Sl. No.	Registration Number	Name	Sign
1	17510006	Akkamahadevi . B	Akk
2	17510016	Akshayakumar V	Akshay
3	17510019	Anand Kadakol	A
4	17510032	Archana Mallalli	ArchanaM
5	17510062	Chaitra Benni	Chaitra
6	17510080	Disha Belavadi	D
7	17510087	Geeta Lamani	Geeta
8	17510089	Gopal Lamani	G
9	17510091	Gurunath . B. Gudli	Gurunath
10	17510097	Jahnvi Rathod	Jahnvi
11	17510109	Kalmesh Salagatti	Kalmesh
12	17510114	Kavita Bhang?	Kavita
13	17510119	Komal Wagh	Komal
14	17510121	Krutika Belgaum	Krutika
15	17510132	Mahunnisa Gummagol	mahunnisa
16	17510138	Malatish Barte	Malatish
17	17510155	Manoj Matangi	manoj
18	17510158	Megha Ratnakar	Megha
19	17510180	Nandala . M. Hiremath	Nandala
20	17510192	Pavitha Nagarahalli	Pavitha N
21	17510195	Pooja Hoddli	Pooja
22	17510196	Pooja Jamadade	Pooja
23	17510223	Punit . P. Honkanadavar	Punit
24	17510317	Shrushti . Biradar	Shrushti
25	17510335	Tasmia Jahagirdar	Tasmia
26	17510340	Valshav? Agrholi	Valshav
27	17510349	Vijayalaxmi Teeragal	Vijayalaxmi
28	17510351	Vinayak Ghanti	Vinayak
29	17510356	Vishnu . F. Sammasagi	Vishnu
30	17511207	Roopa Kolwad.	Roopa

Daj
COURSE CO-ORDINATOR
Dr. R. G. Loukhar

Dr. M. Singh
IQCAC-CO-ORDINATOR
Dr. (Smt) M. Singh

Dr. G. F. Melimani
PRINCIPAL
Dr. G. F. Melimani

STUDENTS ATTENDANCE

DEPARTMENT OF <i>Biology</i>		KARNATAK SCIENCE COLLEGE, DHARWAD		2019-2020															
THEORY PRACTICAL ATTENDANCE REGISTER - MONTH		YEAR 2019-20		CLASS & SEM <i>Pre-medical, 1st year</i>		SUBJECT		DIVISION <i>1</i>											
Sl. No.	Reg. No.	Name of Student	Date	Month												Total	Marks	Percentage	Signature
				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
1				P	P	P	P	P	P	P	P	P	P	P	P				
2				P	P	P	P	P	P	P	P	P	P	P	P			<i>Course Coordinator</i>	
3				P	P	P	P	P	P	P	P	P	P	P	P			<i>Dr. G. G. ...</i>	
4				P	P	P	P	P	P	P	P	P	P	P	P				
5				P	P	P	P	P	P	P	P	P	P	P	P				
6				P	P	P	P	P	P	P	P	P	P	P	P				
7				P	P	P	P	P	P	P	P	P	P	P	P				
8				P	P	P	P	P	P	P	P	P	P	P	P			<i>IQAC Coordinator</i>	
9				P	P	P	P	P	P	P	P	P	P	P	P			<i>A. D. ...</i>	
10				P	P	P	P	P	P	P	P	P	P	P	P				
11				P	P	P	P	P	P	P	P	P	P	P	P			<i>Dr. G. G. ...</i>	
12				P	P	P	P	P	P	P	P	P	P	P	P				
13				P	P	P	P	P	P	P	P	P	P	P	P				
14				P	P	P	P	P	P	P	P	P	P	P	P			<i>Principal</i>	
15				P	P	P	P	P	P	P	P	P	P	P	P			<i>C. G. ...</i>	
16				P	P	P	P	P	P	P	P	P	P	P	P				
17				P	P	P	P	P	P	P	P	P	P	P	P				
18				P	P	P	P	P	P	P	P	P	P	P	P				
19				P	P	P	P	P	P	P	P	P	P	P	P				
20				P	P	P	P	P	P	P	P	P	P	P	P				
21				P	P	P	P	P	P	P	P	P	P	P	P				
22				P	P	P	P	P	P	P	P	P	P	P	P				
23				P	P	P	P	P	P	P	P	P	P	P	P				
24				P	P	P	P	P	P	P	P	P	P	P	P				
25				P	P	P	P	P	P	P	P	P	P	P	P				

CERTIFICATE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
Certificate Course in "Biological Techniques"



2019-20

This is to certify that Mr./Miss Jahnavi Rathod (Register No:

17S10097) has successfully completed the certificate course in "Biological

Techniques" from 01-01-2020 to 31-03-2020


Course Coordinator


IQAC Coordinator


Principal

CURRICULUM



Karnatak University's
Karnatak Science College, Dharwad



Department of Biotechnology

Certificate Course in “Biological Techniques”

2019-2020

About the Course:

Biological Techniques advance our understanding of the chemical structures and processes that underpin human health and disease, revealing the underlying transformations between them. Bio-Chemical techniques are important of any clinical laboratory. In this certificate course the students analyze fluid, tissues and blood samples to perform a variety of diagnoses. They generally work under the supervision of subject experts.

Objective:

After the completion of the certificate course, students will be able to:

- Conduct chemical analysis of body fluids, such as blood or urine, using microscope or to detect abnormalities or diseases.
- Set up, maintain, calibrate, clean and test sterility of medical laboratory equipment. Collect blood or tissue samples from patients, observing principles of asepsis to obtain blood samples.
- Analyze the results of tests or experiments to ensure conformity to specifications, using special mechanical or electrical devices.
- Conduct blood tests for transfusion purposes and perform blood counts. Inoculate fertilized eggs, broths, or other bacteriological media with organisms.
- Consult with a pathologist to determine a final diagnosis when abnormalities are found. Analyze and record test data to issue reports.

Duration of the Course: 3 Months

Syllabus of Certificate Course on Biological Techniques

- 1. Pathological examination of detection of reducing sugar in urine by Benedict's method.**
- 2. Colorimetric estimation of amino acids in urine by Folin method.**
- 3. The quantitative estimation of Creatinine in urine by Jaffe'-Folin method.**
- 4. Total RBC Count.**
- 5. Total WBC Count.**
- 6. Estimation of Haemoglobin.**
- 7. Determination of blood group and Rh factor.**
- 8. Colorimetric estimation of tocopherols (Vitamin E).**

COURSE OUTCOME



Karnatak University's

Karnatak Science College, Dharwad



Department of Biotechnology

Certificate Course in "Biological techniques"

2019-2020

Course outcome

List of 30 Students were enrolled for certificate course on Biological techniques. With respect to the designed course curriculum, the assessment of the course was done. The said course was started on 17-01-2020 and completed on 27-03-2020. After completion of the course the examination was conducted in the department of biotechnology and based on the students performance in the examination the course completion certificates were issued to the students.


Course coordinator
Dr. R. G. Kallechannobkar



Karnatak University's

KARNATAK SCIENCE COLLEGE DHARWAD

DEPARTMENT OF CRIMINOLOGY AND FORENSIC SCIENCE



ADD ON/CEETIFICATE PROGRAMME

Title: Child Trafficking in India

2019-20

LIST OF STUDENTS ENROLLED



KARNATAK UNIVERSITY'S

KARNATAK SCIENCE COLLEGE, DHARWAD

Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in



Certificate Course on Criminology and Forensic Science. 2019/2020

Duration 03 (Three) Months

List of Student's enrolled

Sl.No	Registration Number	Student Name	Signature
1	19S10005	AGHISHK K	[Signature]
2	19S10007	AGHISHK Meti	[Signature]
3	19S10008	AGHISHK REVURKAR	[Signature]
4	19S10061	Balavraj B H	[Signature]
5	19S10062	Balavraj M H	[Signature]
6	19S10086	Damayanti, Y Kathimasi	[Signature]
7	19S10100	G. S. Khatu	[Signature]
8	19S10107	Ganeshwar Kalyankar	[Signature]
9	19S10108	Gavisiddharaoada	[Signature]
10	19S10110	Girish R Koti	[Signature]
11	19S10114	Girish Navi	[Signature]
12	19S10115	Girish Lamasi	[Signature]
13	19S10117	Harish P Honabhan	[Signature]
14	19S10124	Honappa	[Signature]
15	19S10126	Inchaya R	[Signature]
16	19S10134	Kanika Arora	[Signature]
17	19S10136	Kavik R. Rabadkar	[Signature]
18	19S10139	Kavya V. Gadakatti	[Signature]
19	19S10141	Kavya S. Wagh	[Signature]
20	19S10153	Laxmi S. Anagati	[Signature]
21	19S10155	Lakshya M. Suresh	[Signature]
22	19S10139	Madhumasi S. Karlooti	[Signature]
23	19S10160	Madhusudan Patil	[Signature]
24	19S10171	Manish C. Malas	[Signature]
25	19S10180	Manu S. Fegade	[Signature]
26	19S10181	Manu B. Koti	[Signature]
27	19S10187	M. H. Saglin	[Signature]
28	19S10199	Nanda Hiyemath	[Signature]
29	19S10211	Neha Sathyanarayana	[Signature]
30	19S10212	Nida Yajanti	[Signature]
31			
32			
33			

DEPARTMENT OF *Chemistry and Applied Science*



KARNATAK SCIENCE

University's
COLLEGE, DHARWAD



THEORY / PRACTICAL ATTENDANCE REGISTER : MONTH _____ YEAR-2019-2020

CLASS & SEM. *Chemistry Centre Subject* DIVISION _____

Sl No	Roll No	Register No	NAME OF STUDENT	Gender	Date												Total Present	Moodle No.	Pre. Sem Subject Marks Theory	Pre. Sem Total Marks	Status/ Pass / Fail	Sign
					1	2	3	4	5	6	7	8	9	10	11	12						
1	1509151		Mahesh K. Katti		P	P	P	P	P	P	P	P	P	P	P							
2	1509152		M. H. Sankar		P	P	P	P	P	P	P	P	P	P	P							
3	1509190		Manjunath		P	P	P	P	P	P	P	P	P	P	P							
4	1509151		M. S. Srinivas		P	P	P	P	P	P	P	P	P	P	P							
5	1509152		M. S. Srinivas		P	P	P	P	P	P	P	P	P	P	P							
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24																						

Teacher Signature

[Signature]

[Signature]

CERTIFICATE



Karnatak University's

KARNATAK SCIENCE COLLEGE, DHARWAD

Course Title: Child Trafficking in India

2019-20



CERTIFICATE

This is to certify that Mr./Miss Mamayanti Kothmanni

----- (Register No: 19S10086) has successfully completed

the certificate course in Child Trafficking in India from.....15.01.2020 to

14.04.2020


Course Coordinator


IQAC Coordinator


Principal

CURRICULUM



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Syllabus:

Certificate course On **"CHILD TRAFFICKING IN INDIA" 2019-2020**

Introduction

Definition and scope of child trafficking

Poverty, economic disparities, and lack of access to education

Gender inequality and discrimination

Trafficking for sexual exploitation, including child prostitution and pornography

Trafficking for forced labor, including domestic servitude, agricultural work, and begging

Street children and homeless youth

Legislative measures and international conventions related to child trafficking

Law enforcement efforts and prosecution of traffickers

Awareness-raising campaigns and education initiatives targeting children, families, and communities and NGOs

Duration of the course: 3 Months



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Certificate Course in "CHILD TRAFFICKING IN INDIA" (Year 2019-2020)

About the course:

Child trafficking remains a grave violation of human rights and a significant challenge in India, where thousands of children are trafficked each year for various forms of exploitation. It explain of child trafficking in India, examining its underlying causes, patterns, and consequences. And explores the socio-economic, cultural, and institutional factors that contribute to the vulnerability of children to trafficking. effectiveness of legal frameworks, law enforcement efforts, victim support services, and prevention strategies in addressing this issue. combating child trafficking and protecting the rights and well-being of children

Objectives: After the completion of the certificate course, students will be able to:

1. To understanding about Socio-Economic Drivers of Child Trafficking
2. To know the Forms and Manifestations of Child Trafficking
3. Understand the Vulnerable Groups and Risk Factors
4. To study about Legal Frameworks and Policy Responses
5. To understand Prevention Strategies and Community Engagement

COURSE OUTCOME



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Certificate Course in "CHILD TRAFFICKING IN INDIA "

(Year 2019-2020)

Course outcome

List of 30 students were enrolled for certificate course in "CHILD TRAFFICKING IN INDIA" with respect to the designed curriculum. The said certificate course was started on 15/01/2020 and completed On 14/04/2020. After the completion of the course On 14/04/2020. The Examination was conducted On 30/04/2020 and based on the performance of the enrolled students in examination the certificate of course completion was awarded to students. All the relevant and required documents are uploaded.



Karnatak University's

KARNATAK SCIENCE COLLEGE DHARWAD

DEPARTMENT OF GEOGRAPHY



ADD ON/CERTIFICATE PROGRAMME

Title: NATURAL HAZARD AND DISASTER MANAGEMENT

2019-20

NOTICE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY



No. KSCD/Geog/2019-20/

Date: 05-12-2019

NOTICE

It is hereby informed to all the B.Sc. students of Department of Geography, Karnatak Science College Dharwad, that a certificate course on "Natural Hazard and Disaster Management" will be started in the Department of Geography Karnatak Science College Dharwad, from 05-01-2020. Therefore, all the interested B.Sc. students of Geography Department can contact course coordinator Dr. D. S. Narayankar for their enrollment for the said course on or before 25-12-2019. As the seats are limited, the selection will be on first come first serve basis.

Course Coordinator

Principal

LIST OF STUDENTS ENROLLED



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY
Certificate Course on "Natural Hazard and Disaster Management"
Duration (January to March) 3 Months – 2019-20



List of Students Enrolled

Sl.No.	Register Number	Name of the Students	Signature
1	17510002	A. M. Damodar	AD
2	17510015	Akshaya Sunkad	Akshaya
3	17510068	Choudrashekhar	Choudrashekhar
4	17510070	Chetana Badiger	Badiger
5	17510083	Prundappa. Kaviger	Prundappa
6	17510106	Jyoti Tibeli	Jyoti
7	17510107	K. V. Indrara	K.V.
8	17510116	Kiran K.	Kiran
9	17510117	Kiran G.M.	Kiran
10	17510133	Mahadev. Gulbal	Gulbal
11	17510142	Mamatha	Mamatha
12	17510146	Manjunath Huded	Huded
13	17510148	Manjunath. B.	Manjunath
14	17510153	Manjunath. J.K.	Manjunath
15	17510181	Nirmala. R. H	Nirmala
16	17510182	Nityanand. B.	Nityanand
17	17510205	Radhika P.	Radhika
18	17510229	Raghu Sunkapur	Raghu
19	17510236	Rakshita R. P.	Rakshita
20	17510239	Ramkrishna N. K.	Ramkrishna
21	17510248	Sachin Kumar P.	Sachin
22	17510258	Sanangamma Ponal	Sanangamma
23	17510263	Sediyappa. B.M.	Sediyappa
24	17510269	Shankar. B.H.	Shankar
25	17510276	Sheetal Saka	Sheetal
26	17510284	Shobha Chikkalki	Shobha
27	17510299	Siddaramesh.	Siddaramesh
28	17510316	Shrushti	Shrushti
29	17510350	Vijayalaxmi Sarapali	Vijayalaxmi
30	17510361	Vittal Hosatti	Vittal


 Course Coordinator


 Principal

CERTIFICATE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
Department of Geography
2019-20



Course Title : Natural Hazard and Disaster Management



This is to certify that **Miss Nirrnala R. H.** (Register No.: 17S10181) has successfully completed the Certificate Course in **Natural Hazard and Disaster Management** from 05-01-2020 to 29-03-2020.


Course Coordinator


IQAC Coordinator


Principal

CURRICULUM

Course Syllabus

Title of the Course “Natural Hazard and Disaster Management”

Unit 1: Introduction:

- Meaning and Definition
- Significance of Disaster Management
-

Unit 2 : Hazard And Disaster Management:

- Types of Hazards
- Classification of Disaster
- Effects of Hazards
- Pattern and Causes of Damage
-

Unit 3: Flood Disaster Management:

- Flood Forecasting
- Reduction of Runoff , Reducing Flood Peaks by Volume Reduction
- Reducing Flood levels and Flood Zooming

Unit 4: Flood Control Programmes and Policies:

- Immediate, Short term and Long term measures
- Post Flood Management
- Help and Rescue Management

References:

1. Coenrads, R.(2006): Natural Disaster and How we cope, Miilanium House.
2. Coch, N.K. (1994):Geohazard, Natural and Human,Pearsn College.
3. Cutter, S.L. (2006):Hazards Vulnerability and Environmental Justice, Roulledge Govt. of India.
4. Gupta, H.K.(2013): Disaster Management, University Press.
5. Hyndman, D.,(2016): Natural Hazard and Disasters, 5th ed, Brookes Cole.
6. Kapur, A.(2010): Vulnerable India: A Geographical Study of Disastrs, Sage.
7. Pine, J.C.(2014): Hazard Analysis: Reducing the Impact of Disasters, 2 nd ed, CRC Press.
8. Robbins, P., Hintz, J. (2014): Environment and Society: A Critical Introduction n 2nd ed, Wiley.
9. Smith, K.(2013): Environmental Hazards: Assessing Risk and Reducing Disaster, 6th ed, Routledge.

Name of the programme : "Natural Hazard and Disaster Management"

Type of the programme: Certificate Course

Contact Hours: 36

Full Marks: 50

Academic Year: 2019-20

Course Objectives:

The main objectives of this course are to make the students to understand the natural disaster related to lithosphere. To discuss the atmospheric disaster and their types. To understand hydrospheric disaster and to study the biospheric disaster and their impact.

Learning Outcomes:

The learning outcomes of this course are:

1. To define the Natural Hazards and Disasters related to Lithosphere.
2. To identify different types of atmospheric disaster and their impact..
3. To discuss the nature and types of hydrospheric disaster and its impact.
4. To define the biospheric disaster and its impact.

Assessment and Grading:

After completion of the course, an examination of 20 marks will be held containing 10 multiple choice and short type questions carrying 2 marks each. Practical examination of 30 marks will be held to test the learner's compatibility in working with different instruments used in survey.

Successful candidates will be awarded a certificate of completion of the course mentioning the grade secured in the examination.

COURSE OUTCOME



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY
Certificate Course in "Natural Hazard and Disaster Management"
2019-20



No. KSCD/Geog/2019-20/

Date: 10-04-2020

Course Outcome

The certificate course in "Natural Hazard and Disaster Management" was started with 30 B.Sc. students of geography department karnatak science college Dharwad. Created two batches and classes were conducted from 05-01-2020 and completed on 29-03-2020. The total theory class hour was of 36. After the completion of the course, students learned to handle the issues of natural hazard and disasters . The students also learned about the effects and pattern of damages and remedies. All the 30 enrolled students appeared in the examination which was conducted on 05-04-2020 and based on the performance in examination the certificate of course completion was awarded to the student.

All the relevant and required documents are uploaded.


Course Coordinator


IQAC Coordinator


Principal

2018-19

Sl.No	Name of Add on /Certificate /Value added programs offered and online MOOC programs like SWAYAM, NPTEL etc. programs offered	Course Code (if any)	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
2018-19 :03					
1	Bio-chemical Methods	BIT-01	3 months	19	19
2	Drug Trafficking in India	FSC-01	3 months	27	27
3	Morphological Analysis	GEO-01	3 months	30	30



**Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD**

Department of Biotechnology



ADD ON/CERTIFICATE PROGRAMS

2018-19

Course Title: Biochemical Methods

CERTIFICATE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
Certificate Course in "Biochemical Methods"



2018-19

This is to certify that Mr./Miss Preeti V Bhat

(Register No: 16S10206) has successfully completed the certificate course in

"Biochemical Methods" from 01-01-2019 to 30-03-2019

A handwritten signature in black ink.

Course Coordinator

A handwritten signature in black ink.

IQAC Coordinator

A handwritten signature in green ink.

Principal

CURRICULUM



Karnatak University's

Karnatak Science College, Dharwad



Department of Biotechnology

Certificate Course in "Bio-chemical Methods"

2018-2019

About the Course:

Bio-chemical Methods advance our understanding of the chemical structures and processes that underpin human health and disease, revealing the underlying transformations between them. Bio-Chemical techniques are important of any clinical laboratory. In this certificate course the students analyze fluid, tissues and blood samples to perform a variety of diagnoses. They generally work under the supervision of subject experts.

Objective:

After the completion of the certificate course, students will be able to:

- Consult with a pathologist to determine a final diagnosis when abnormalities are found. Analyze and record test data to issue reports.
- Set up, maintain, calibrate, clean and test sterility of medical laboratory equipment. Collect blood or tissue samples from patients, observing principles of asepsis to obtain blood samples.
- Conduct chemical analysis of body fluids, such as blood or urine, using microscope or to detect abnormalities or diseases.
- Analyze the results of tests or experiments to ensure conformity to specifications, using special mechanical or electrical devices.
- Conduct blood tests for transfusion purposes and perform blood counts. Inoculate fertilized eggs, broths, or other bacteriological media with organisms.

Duration of the Course: 3 Months

Syllabus of Certificate Course on Bio-chemical Methods

- 1. Estimation of creatinine blood by Folin's Method.**
- 2. The colorimetric estimation of total cholesterol in blood (Bloor-Sacket Modified).**
- 3. Total RBC Count.**
- 4. Total WBC Count.**
- 5. Estimation of Haemoglobin.**
- 6. The colorimetric estimation of ascorbic acid (Vitamin C).**
- 7. Estimation of blood Glucose.**
- 8. Pathological examination of hemin crystals in detection of blood by Bertrand's method.**

COURSE OUTCOME



Karnatak University's

Karnatak Science College, Dharwad



Department of Biotechnology

Certificate Course in "Bio-chemical Methods"

2018-2019

Course outcome

List of 19 Students were enrolled for certificate course on Bio-chemical methods. With respect to the designed course curriculum, the assessment of the course was done. The said course was started on 16-01-2019 and completed on 29-03-2019. After completion of the course the examination was conducted in the department of biotechnology and based on the students performance in the examination the course completion certificates were issued to the students.


Course coordinator

Dr. R. G. Kalluram



Karnatak University's

KARNATAK SCIENCE COLLEGE DHARWAD

DEPARTMENT OF CRIMINOLOGY AND FORENSIC SCIENCE



ADD ON/CERTIFICATE COURSE

Title: Drug Trafficking in India

2018-19

LIST OF STUDENTS ENROLLED



KARNATAK UNIVERSITY'S

KARNATAK SCIENCE COLLEGE, DHARWAD

Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in



Certificate Course on Criminology and Forensic Science. 2018/2019

Duration 03 (Three) Months

List of Student's enrolled

Sl.No	Registration Number	Student Name	Signature
1	18510027	Anide H B	[Signature]
2	18510045	Ajean Desai	[Signature]
3	18510047	Aparanarayana Kamath	[Signature]
4	18510049	Asha Shikol	[Signature]
5	18510055	Ashwin, J. Sakali	[Signature]
6	18510067	Balavraj S P	[Signature]
7	18510086	Charanabharva S P	[Signature]
8	18510092	Darshan B H	[Signature]
9	18510094	Dayanand Sujer	[Signature]
10	18510096	Deepak Alay	[Signature]
11	18510097	Devi Deepthi AHini	[Signature]
12	18510103	Sandya S. Fannadil	[Signature]
13	18510115	Gayathya S H	[Signature]
14	18510117	Gayathra M G	[Signature]
15	18510123	Hritik A K	[Signature]
16	18510128	Jalaja V	[Signature]
17	18510135	Kajjeral Anjanappa	[Signature]
18	18510143	Kavya Hanashimol	[Signature]
19	18510150	Komal S. Sangal	[Signature]
20	18510163	Laxmi Valmiki	[Signature]
21	18510164	Lynia Wilson	[Signature]
22	18510166	Madhanti, Madadi	[Signature]
23	18510172	Maresh	[Signature]
24	18510174	Maresh Koppad	[Signature]
25	18510188	Mona Gaddi	[Signature]
26	18510194	Megha	[Signature]
27	18510196	Megha Taladi	[Signature]
28	18510221	Vinhal S. Patil	[Signature]
29	18510226	Nivedita G. Jambagi	[Signature]
30	18510227	P. Madhavi	[Signature]
31	18510255	Paran Bose	[Signature]
32	18510249	Pranod	[Signature]
33	18510253	Prashant B D.	[Signature]

DEPARTMENT OF *Physics and Applied Science*



KARNATAK SCIENCE
UNIVERSITY

UNIVERSITY'S
COLLEGE, DHARWAD



THEORY/PRACTICAL ATTENDANCE REGISTER - MONTH *July 2019* YEAR *2018-2019*

CLASS & SEM *B.Physic (Engg)* SUBJECT *Physics*

Dr. M. S. ...
PHYSICS DIVISION

Sl. No.	Reg. No.	NAME OF ATTENDANT	MONTH												Total	Percentage	Remarks	Signature
			1	2	3	4	5	6	7	8	9	10	11	12				
1	1828194	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
2	1828196	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
3	1828221	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
4	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
5	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
6	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
7	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
8	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
9	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
10	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
11	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
12	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
13	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
14	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
15	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
16	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
17	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
18	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
19	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
20	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
21	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
22	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
23	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
24	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		
25	1828222	<i>...</i>	P	P	P	P	P	P	P	P	P	P	P	P	12	100		

Signature of Registrar
M. S. ...

CERTIFICATE



Karnatak University's

KARNATAK SCIENCE COLLEGE, DHARWAD

Course Title: Drug Trafficking in India

2018-19



CERTIFICATE

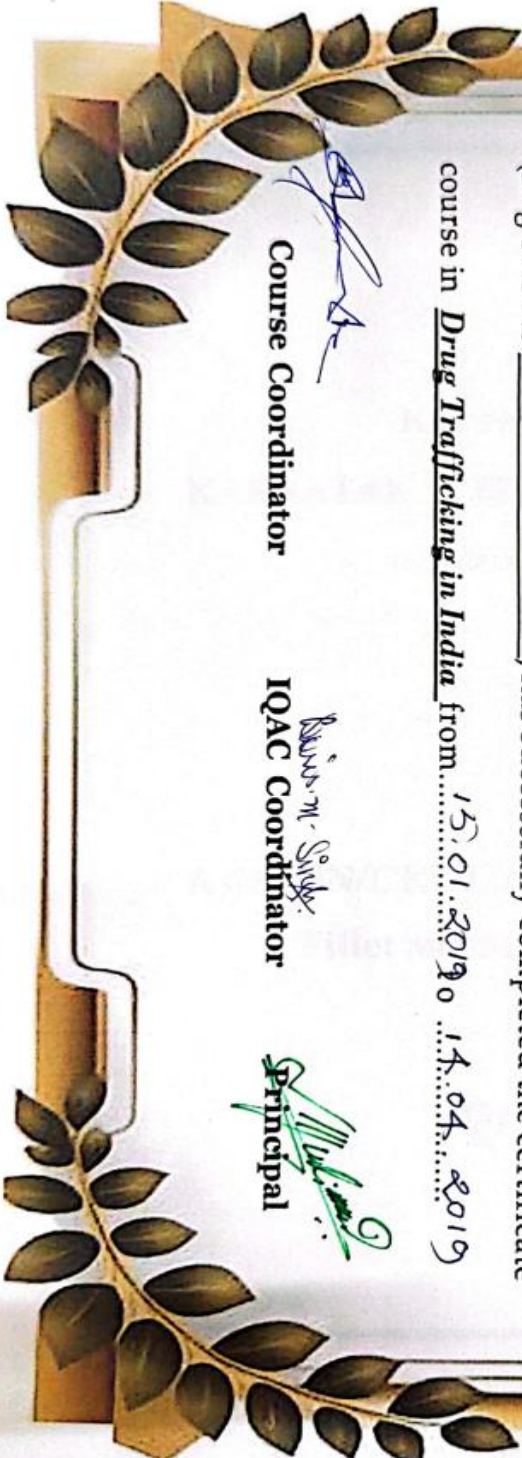
This is to certify that Mr./Miss Darshan B#

(Register No: 18510092) has successfully completed the certificate course in Drug Trafficking in India from 15.01.2019 to 14.04.2019

Course Coordinator

IQAC Coordinator

Principal



CURRICULUM



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Syllabus:

Certificate course On "DRUG TRAFFICKING IN INDIA" 2018-2019

Introduction

Definition and scope of drug trafficking

drug trafficking in India

Poverty, unemployment, and economic disparities

Forms and Routes of Drug Trafficking

Trafficking of heroin, cocaine, cannabis, synthetic drugs, and pharmaceuticals

Involvement of organized crime networks and illicit markets

Domestic production, smuggling, and transnational trafficking routes

Involvement of organized crime networks and illicit markets

Urban slum dwellers and marginalized communities

Law enforcement efforts, including drug interdiction and seizures

Duration of the course: 3 Months



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Certificate Course in “DRUG TRAFFICKING IN INDIA”
(Year 2018-2019)

About the course:

Drug trafficking poses a significant challenge to public health, security, and social stability in India, with implications for individuals, communities, and the nation as a whole. It explores of drug trafficking in India. causes, patterns, and consequences. the socio-economic, cultural, and institutional factors that contribute to the illicit drug trade. the effectiveness of legal frameworks, and law enforcement efforts, combating drug trafficking and promoting public health and safety.

Objectives: After the completion of the certificate course, students will be able to:

1. To know the prevalence and dynamics of drug trafficking in India
2. Understanding about the Socio-Economic Drivers of Drug Trafficking
3. To know about various Forms and Routes of Drug Trafficking
4. To understand Vulnerable Populations and Risk Factors
5. Studying about Socio-Economic Impact of Drug Trafficking
6. TO Know the Legal Frameworks and Policy Responses

COURSE OUTCOME



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD



Department of Criminology and Forensic Science

Email : principal.kscd@gmail.com Website: WWW.kcd.org.in

Certificate Course in "DRUG TRAFFICKING IN INDIA"

(Year 2018-2019)

Course outcome

List of 33 students were enrolled for certificate course in "DRUG TRAFFICKING IN INDIA" with respect to the designed curriculum. The said certificate course was started on 15/01/2019 and completed On 14/04/2019. After the completion of the course On 14/04/2019. The Examination was conducted On 30/04/2019 and based on the performance of the enrolled students in examination the certificate of course completion was awarded to students. All the relevant and required documents are uploaded.



Karnatak University's

KARNATAK SCIENCE COLLEGE DHARWAD

DEPARTMENT OF GEOGRAPHY



ADD ON/CERTIFICATE PROGRAMME

Title: MORPHOLOGICAL ANALYSIS

2018-19

NOTICE

NOTICE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY



No. KSCD/Geog/2018-19/

Date: 02-01-2019

NOTICE

It is hereby informed to all the B.Sc. students of the Department of Geography Karnatak Science College Dharwad, that a certificate course on "Morphological Analysis" will be started in the Department of Geography Karnatak Science College Dharwad, from 20-01-2019. Therefore, all the interested B.Sc. students of Geography Department can contact course coordinator Dr. D. S. Narayankar for their enrollment for the said course on or before 17-01-2019. As the seats are limited, the selection will be on first come first serve basis.

A handwritten signature in black ink, appearing to be 'D. S. Narayankar'.

Course Coordinator

A handwritten signature in green ink, appearing to be 'S. Narayankar'.

Principal

LIST OF STUDENTS ENROLLED



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY
Certificate Course on "Morphological Analysis" 2018-19
Duration (January to March) 3 Months - 2019



List of Students Enrolled

Sl.No.	Register Number	Name of the Students	Signature
1	16510020	Akshata Sheelvanlar	<i>Akshata</i>
2	16610044	Basuraj	<i>Basuraj</i>
3	16510047	Bharal Guraddi	<i>Guraddi</i>
4	16510075	Satyappa G.	<i>Satyappa</i>
5	16510105	Kavita Channalli	<i>Channalli</i>
6	16510112	Kiran Kale	<i>Kiran Kale</i>
7	16510114	Kiran Uppar	<i>Kiran Uppar</i>
8	16510130	Manjappa Patil	<i>Manjappa Patil</i>
9	16510134	Mamunath F.	<i>Mamunath</i>
10	16510139	Manjunath G.S.	<i>Manjunath</i>
11	16510181	Pavitra M.	<i>PAVITRA</i>
12	16510219	Rajashankar Manjargi	<i>Rajashankar</i>
13	16510233	Ramnya Doddamari	<i>Doddamari</i>
14	16510242	Ravikul Gadadi	<i>Ravikul</i>
15	16510245	Ritu Hasare	<i>Ritu Hasare</i>
16	16510360	Venkatesh Patil	<i>Patil</i>
17	16510371	V. B. Khangudra	<i>V. B. Khangudra</i>
18	16510378	Vishwapoorua	<i>Vishwapoorua</i>
19	16510343	Dada Khalandar	<i>Dada Khalandar</i>
20			

[Signature]
Course Coordinator

[Signature]
IQAC Coordinator

[Signature]
Principal

CERTIFICATE



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
Department of Geography
2018-19



Course Title : **Morphological Analysis**



This is to certify that Miss Rammya Doddamani (Register No.: 161S10233) has successfully completed the Certificate Course in Morphological Analysis from. 20-01-2019 to 07-04-2019.


Course Coordinator


IQAC Coordinator


Principal

CURRICULUMN

Course Syllabus

Title of the Course "Morphological Analysis"

Unit 1: Identification of Rocks and Minerals:

- Mineral samples: Iron ore, Bauxite ore and Manganese
- Rock Samples: Basalt, Granite, Sand stone, Lime stone, Marble and Quartzite

Unit 2: Extraction of Geomorphic Information and construction of Relief Profiles:

- Extraction of Geomorphic Information from Topographical Maps
- Preparation of contour maps from Toposheet, Construction of Relief Profiles- Serial, Super imposed, Projected and Composite profiles

Unit 3: Slope Analysis:

- Slope maps by Wentworth method
- Slope-Isotan and Isosin
- Hypsometric Curve and Integral

Unit 4: Drainage Morphometric Analysis:

- Delineation of Watershed
- Stream Ordering
- Mean Stream Length
- Drainage Frequency and
- Drainage Density

References:

1. Brunsten D. (1985) Geomorphology in the service of Man: The future of Geography, Metnen, U.K.
2. Chorley, R.J., Schumn, S.A. and Sugden, D.E. (1984): Geomorphology, Methuen, London
3. Cooke, R.U. and Warren. (1973): Geomorphology in Deserts, Batsford, London
4. Dayal, P. (1996): Text book of Geomorphology, Shukla Book Depot, Patna.
5. Goudie Anrew et.al.(1981): Geomorphological Techniques, George Allen & Unwin London
6. Homes A. (1965): Principles of Physical Geology, 3rd Edition, ELBSS Edn.
7. Strahler A.N. (1968): The Earth Sciences, Harper & Row Intl. Edn, New York
8. Thronberry W.D. (1969): Principles of Geomorphology 2nd Edition, Wiley Intl. Edn. & Wiley, 1984.
9. Verstappen H. (1983): Applied Geomorphology, Geomorphological Surveys for Environmental Development, Elsevier, Amsterdam

Name of the programme : **"Morphological Analysis"**

Type of the programme: Certificate Course

Contact Hours: 36

Full Marks: 50

Academic Year: 2018-19

Course Objectives:

The main objectives of this course are to make the students compatible to define the minerals, rocks and their characteristics, which explore the students to extract the geomorphic information from the topographical maps, the course will help the students to understand the slope Analysis from different methods and it also enables the students to study the drainage morphometry and its characteristics.

Learning Outcomes:

The learning outcomes of this course may be outlined as follows:

- 1) To identify the different types of minerals through their characteristics.
- 2) To interpret the topographical maps extracted the geomorphic information.
- 3) To illustrate the slope analysis and prepare the Hypsometric curve and integral.
- 4) To delineate the watershed area, stream ordering, Drainage frequency and Drainage Density.

Assessment and Grading:

After completion of the course, an examination of 20 marks will be held containing 10 multiple choice and short type questions carrying 2 marks each. Practical examination of 30 marks will be held to test the learner's compatibility in working with different instruments used in survey. Successful candidates will be awarded a certificate of completion of the course mentioning the grade secured in the examination.

COURSE OUTCOME



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF GEOGRAPHY
2018-19
Certificate Course in "Morphological Analysis"



No. KSCD/Geog/2018-19/

Date: 18-04-2019

Course Outcome

The certificate course in "Morphological Analysis" was started with 19 students of B.Sc. Geography Department Karnatak Science College Dharwad. The classes of said certificate course was started from 20/01/2019 and completed on 07-04-2019. The class hour was of 36 comprising of both theory and practical. This course is designed especially for the B.Sc. students of geography to provide practical knowledge to illustrate the slope analysis and prepare the Hypsometric curve and Integral and also to delineate the watershed area, stream ordering, Drainage Frequency and Drainage Density of the study region with the help of topographical maps. The examination was conducted on 14-04-2019 and all the 19 enrolled students appeared in the examination, based on the performance in examination, the certificate of course completion was awarded to the student.

All the relevant and required documents are uploaded.


Course coordinator


IQAC Coordinator


Principal