Date: 22/07/19

To, The Principal Karnatak Arts, Science and Commerce College, Bidar



Sub: Request to grant permission to start add-on course on (ALGAL BIODIVERSITY) for the academic year 2019-2020: Reg.

Respected Sir,

As per the guidelines issued by IQAC, we would like to start the add-on course on "Course Name" from the academic year 2019-2020 with intake of 25 students. Please permit us to start the add-on course and do the needful.

Thanking You.

Head OHEAR Dept. of Botan)
Department of Botan)
Department of Botan & Commerce
Department of BOTANY 585 401

PRINCIPAL

Karnataka Arts Sci. & Com. College BIDAR-585401

K.R.E Society's Karnatak Arts, Science and Commerce ,Bidar Department of Botany



Course Name: ALGAL BIODIVERSITY

Duration: 30 Hrs.

Course coordinator: Dr. Piya Roychoudhury

Assistant Course coordinator: Dr. Pooja Suryawanshi

Name of the Faculty members

1. Sri D.G. Joshi

2. Dr. Piya Roychoudhury

3. Dr. Pooja Suryawanshi

4. Dr. M S Patil

Minutes of meeting of institutional board of studies for



Algal Biodiversity

Held on 24 July 2019



Institutional BOS

S.N	Name	Institute	Designation
1	Dr. Rajsameersen Modi	Assistant Professor, Govt.	External Expert
		First Grade college	member
		Kalburgi	
2	Sri D.G. Joshi	Head Department of	Chairman
		Botany Karnatak Arts,	
		Science and Commerce	
		College Bidar.	
3	Dr. M.S. Patil	Associate Professor,	Member Internal
		Department of Botany	Expert
4	Dr. Pooja Suryawanshi	Assistant Professor,	Member Internal
		Department of Botany	Expert
5	Dr. Piya Roychoudhuri	Assistant Professor,	Member Internal
		Department of Botany	Expert

In the beginning of the meeting the chairman of the Institutional BOS welcomed all the members and briefed them about the progress of the Department of Botany. the members expressed their highly appreciation and satisfaction about the courses and activities of the department.

After the institutional BOS discussed and resolved the fallowing items

Item 1. Starting of the course on Algal Biodiversity.
 The BOS discussed the item and resolved to start the add on course from the month July 2019.





Item 2. Approval of the syllabus for certificate course

The BOS discussed and approved the syllabus for add-on course on Algal **Biodiversity**

 Item 3. Criteria for admission, regulation and policies to run the course and exam pattern.

The BOS discussed and approved the criteria for admission and resolved that the student should have completed successfully 10+2 with science faculty, should be currently in B. Sc course with botany as a subject in Karnatak college, Bidar. In addition to this BOS also finalized the rules and regulations to smooth conduct of course and pattern.

Meeting of BOS is concluded with vote of thanks by Sri D.G. Joshi Head Department of Botany.

Members Present:

- 1. Dr. Rajsamarsen Modi
- 2. Sri D.G. Joshi
- 3. Dr. M.S. Patil
- 4. Dr. Pooja Suryawanshi

5. Dr. Piya Roychoudhri

IQAC Coordinator

Rarnatak Arts, Science & Commander-Principal & College, BID & R-585 401QAC. Coordinator

> Karnatak Arts, Science & Commerce College, Bidar

Principal

PRINCIPAL Karnataka Arts Sci. & Com. College BIDAR-585401

7

INSTITUTIONAL BOARD OF STUDIES

01	11/511	TUTIONAL BOARD OF STUDIES	to 585401
Sl.no	Name	Institute	Designation
1	Sri D.G.Joshi	HOD(Botany Department Karnatak College College,Bidar	Associate Professor
2	Dr.Piya roychoudhury	Karnatak College Bidar	Asst Professor
3	Dr.Pooja Suryawanshi	Karnatak College Bidar	Asst Professor
4	Dr.M S Patil	Karnatak College Bidar	KRE Society Professor Emeritus

DISTRIBUTION OF TRAINING ON HOURLY BASIS

Sl.No	Topics to be covered	Duration
	· ·	
1	Introduction of Algae	4hrs
	Structure of Algae	15
	General characters' of algae	
2	Ecology and distribution	4hrs
	Range of thallus organization in algae	71113
3	Classification of algae	4hrs
	Reproduction of algae	
4	Isolation and culture of algae samples	4hrs
5	Isolation and culture of algae samples	4hrs
6	Mini Project on algae collection	10 hrs
	-	

Head Gi the Dept. of Botany Rarnatak Arts, Science & Commarss College, BIDAR-585 401

Vice-Principal &

IQAO. Coordinator Karnatak Arts, Science & Commerce College, Ridar

INSTITUTIONAL BOARD OF STUDIES

Sl.no	Name	Institute	Designation
1	Sri D.G.Joshi	HOD(Botany Department Karnatak College College,Bidar	Associate Professor
2	Dr.Piya roychoudhury	Karnatak College Bidar	Asst Professor
3	Dr.Pooja Suryawanshi	Karnatak College Bidar	Asst Professor
4	Dr.M S Patil	Karnatak College Bidar	KRE Society Professor Emeritus

DISTRIBUTION OF TRAINING ON HOURLY BASIS

Sl.No	Topics to be covered	Duration
	8	
1	Introduction of Algae Structure of Algae General characters' of algae	4hrs
2	Ecology and distribution Range of thallus organization in algae	4hrs
3	Classification of algae Reproduction of algae	4hrs
4	Isolation and culture of algae samples	4hrs
5	Isolation and culture of algae samples	4hrs
6	Mini Project on algae collection	10 hrs

Head Gi the Dept. of Botany Karnatak Arts, Science & Commaras College, BIDAR-585 401

Vice-Principal & IQAC. Coordinator

Karnatak Arts, Science & Commerce College, Bidar

PRINCIPAL
Karnataka Arts Sci. & Com. College
BIDAR-585401

Arts Sci. P

585401

WORK-DONE

BIDAR 585401

	(e)	d'and
NAME OF THE LECTURER	TOPICS COVERED AND METHOD USED	
Dr.M S Patil	General charectry of Alage closification of Alage	
	Alage closification	9
	g Alage	MO.
Sri D.G.Joshi	The Ward Money	08-09-2019K
	DEcology & Digithuland Algae.	15-09-2019
	2) Theller Organisation in olque Charles board.	05-01-200 K
Dr.Piya roychoudhury	TARIL C MALL CM	
	Ellioduction in	
	Reproduction in	Sum
£.	Alage	
Dr.Pooja Suryawanshi	Economic important	Rogg
	of Alage.	VV

Head Gi the Dept. of Botany Karnatak Arts, Science & Commaro College, BID A R-585 401

K.R.E Society's

Karnatak Arts, Science and Commerce, College Bidar

Department of Botany

Certificate Course in

"Algal Biodiversity"

COURSE OUTCOMES: The followings are minimum learning outcomes

BIDAR

1. Students can expose to the field of algal biodiversity

after completion of "Algal biodiversity" course:

- Understand the principles and diversity algae
- 3. Become familiar with making slides and visualization of slides under microscope
- 4. Learn the different types of media and culturing methods and preservation methods

Course description:

Algae are one of the most diverse groups of living organism that are distributed in all across the oceans, rivers, ponds and lakes. Algae play an important role in maintaining aquatic ecosystem and form the base of food chain or food web. Algae are generally classified as rhodophyta (red algae), phaeophyta (brown algae) or chlorophyta (green algae) depending on their nutrient, pigments and chemical composition. They are considered as a source of bioactive compounds as they are able to produce a great variety of secondary metabolites with some also a valuable food resource too. Some of the algae are also been known to be pollution indicator and helps in reduction of industrial pollutants in rivers and other water sources.

The course aims to train B.Sc final year (Botany) students, in theoretical knowledge and practical skills for the establishment, characterization and maintenance of algal cultures in order to gain an advanced understanding of algal diversity, life cycle and physiology. The main focus of the course will be on fresh water algae but several other groups will be covered as well.

K.R.E SOCIETY'S

Karnatak Arts, Science and Commerce College



Department of Botany

Date:25/07/2019

NOTICE

All the students are here by informed that department of **BOTANY** starting the add on course on **(ALGAL BIODIVERSITY)** from the 25/07/2019, interested students can enroll their names on or before 30/07/2019 in the department of **BOTANY**.

HOD

Head of the Dept. of Botan's Karnataka College, BIDAR

K.R.E. SOCIETY'S

KARNATAK ARTS SCIENCE AND COMMERCE COLLEGE BIDAR

(Affiliated to Gulbarga University Kalburgi)

College with Potential for Excellence

ADMISSION FORM

Certificate/Value added/Skill Development/Diploma/Advance Diploma Courses

&

IAS/IPS/NET/SET Coaching Classes

No / NET/SET Coaching Classes
Name of the Department Botany Year 2019 - 20
Name of the Student Aditi
Father name Sanjeeva Reddy
Date of Birth 92 3 1999
Address for Correspondence Behind Akkamahadevi
womens collage Devi colony
Bedag
Semester/class: BSc The Sem.
Register No. : 1863011
Percentage of previous semester:
Contact No. : 9448 604283
E-Mail ID: Aditioned by a gnash. com
Course to be Joined: Algal Brodleversify
Signature of the Student
Signature of the student

HOD/Coordinator
Head of the Dept of Botany Karnataka College, BIDAR

STUDENTS ENROLLMENT FOR CERTIFICATE COURSE(ALGAL BIODIVERSITY) 2019-20

S.N	NAME OF THE STUDENT	SIGNATURE
1	Patil Bharrini	Bhavani
2	Saphagua	Sil
3	Sabhagya Aditi Peddy	Adoro
4	Sakshi Sindal	Sately
5	madhuran	Sarth
6	Mandkumax	Nkal
7	Ambika Balizan	Ambi
8	Apporua Subhash	Apple
9	Amarganda	Appu' Amorgonda Marko
10	Mariam	Maria
11	Nusrath	Nutrath
12		Nagonur
13	Magneri Earnguine Pani	Nagonur Rona
14	Manifeshwari	Manikeshwan
15	Sarvesh	Manikeshwari
16	Shivkamax A	Chris
17	Amit Cumar	Anala
18	Mahadur	Mahadev
19	Snivastav	Dente
20	Sandup	Sendre
21	Pohit P	Rohit
22	Archana Trivansingh	Agur
23	Shoshi Jeanan	Souther
24	Malikagus	(Not)
25	Vasavi Gada	Valari

Head of the Dept. of Botany

COURSE TIME TABLE

DATE/TIME	8 TO 9	9 TO 10	10 TO 11	11 TO 12	3 to 5
08-09-2019	Theory	Theory	Practical	Practical	Mini Project
15-09-2019	Theory	Theory	Practical	Practical	Mini Project
06-10-2019	Theory	Theory	Practical	Practical	Mini Project
05-01-2020	Theory	Theory	Practical	Practical	Mini Project
19-01-2020	Theory	Theory	Practical	Practical	Mini Project
16-02-2020	Exam for bo	oth Theory a	and Lab	1	



Head of the Dept: of Botshy
Rematak Arts, Science & Commerce
Rematak B I D A R-585 401

B.Sc Students List and Attendance

SL.No	NAME OF THE STUDENT	08-09-2019	15-09-2019	06-10-2019	05-01-202	19-01-2020	Total
1	Patil Bhavani	P	P	AS	1	P	
2	Saoubhagya	P	Ab	P	P	1	
3	Aditi Reddy	P	P	ρ	P	ρ	
4	Vasavi Gada	P	P	P	P	P	
5	Sakshi Sindol	P	P	P	P	P	
6	Madhurani	P	P	P	P	AS	
7	Nandkumar	P	P	P	P	P	
8	Ambika Baliram	P	P	P	P	P	
9	Apporva Subhash	P	P	Ab	ρ	P	
10	Amargond	P	P	P	P	P	
11	Mariam	P	P	P	P	1	
12	Nusrath	P	P	Ab	AS	P	
13	Nagveni	P	P	P	P	P	
14	Evangeline Rani	P	P	P	P	P	
15	Manikeshwari	P	P	P	P	P	
16	Sarvesh	P	AL	Ph	P	p	
17	Shivakumar A	8	P	P	P	4	
18	Amitkumar	1	P	P	M	P	
19	Mahadev	P	1	P	P	P	
20	Srivastav	P	ρ	B	P	P	
21	Sandip	P	P	P	P	ρ	
22	Rohith R	P	P	P	P	P	
23	Archana Trivansingh	P	P	ρ	P	P	
24	Shashi Kiran	P	P	P	P	1	
25	Mallikarjun	P	P	P	P	P	

PRINCIPAL

Karnataka Arts Sci. & Com. College BIDAR-585401 Head GI the Dept: of Boissy

Head Arts, Science & Commerce

Rematak Arts, Science & R-585 401

College, B I D & R-585 401

K.R.E. Society's

KARNATAK ARTS SCIENCE AND COMMERCE COLLEGE BIDAR DEPARTMENT OF BOTANY

DATE:04 /02/2020

NOTICE:

All the students who have enrolled their name for certificate course in Algal biodiversity for the year 2019-2020 are here by informed to attend Theory exam on 16/02/2020 at 11 am without fail.

Head Gethe Dept: of Botan)
Rarnatak Arts, Science & Commare
College, B I D & R-585 401

K.R.E. Society's

KARNATAK ARTS SCIENCE AND COMMERCE COLLEGE BIDAR DEPARTMENT OF BOTANY

DATE:04 /02/2020

585401

NOTICE:

All the students who have enrolled their name for certificate course in Algal biodiversity for the year 2019-2020 are here by informed to attend Practical exam on 16/02/2020 at 2-3 pm without fail.

Head G.H.D.DDept. of Botany Karnatak Arts, Science & Commarcs College, B | D & R-595 & Ca

Name of the Course: Algal Biodiversity



STUDENT ATTENDENCE SIGNATURE FOR CERTIFICATE COURCE THEORY EXAM 2019-20

SL.No	NAME OF THE STUDENT	THEORY
1	Patil Bhavani	Bhavane
2	Saoubhagya	RAID
3	Aditi Reddy	166
4	Vasavi Gada	asovi
5	Sakshi Sindol	Sakelis
6	Madhurani	Mode
7	Nandkumar	Nel
8	Ambika Baliram	Aulo
9	Apporva Subhash	Appu
10	Amargond∝	Amorponda
11	Mariam	Marker
12	Nusrath	Xusath.
13	Nagveni	No q an lo
14	Evangeline Rani	- Fane
15	Manikeshwari*	Jan Kedwasi
16	Sarvesh	(Sole)
17	Shivakumar A	OSlan
18	Amitkumar	Ant.
19	Mahadev	Marader
20	Srivastav	heal
21	Sandip sandeep	astonated
22	Rohith R	Rolot
23	Archana Trivansingh	
24	Shashi Kiran	
25	Mallikarjun	(ATR)

BIDAR 585401

STAFF INCHARGE

Head of the Dept of Botany KREBARIMENTOREBOTANDAR

H.O.D

BIDAR 585401

STUDENT ATTENDENCE SIGNATURE FOR CERTIFICATE COURCE PRACTICAL EXAM 2019-20

SL.No	NAME OF THE STUDENT	PRACTICAL
1	Patil Bhavani	Bhavani
2	Saoubhagya	= L
3	Aditi Reddy	1000
4	Vasavi Gada	avani
5	Sakshi Sindol	Sallesto
6	Madhurani	Madle.
7	Nandkumar	W Key
8	Ambika Baliram	And
9	Apporva Subhash	Appu.
10	Amargonda	Amdregonda
11	Mariam	Marie
12	Nusrath	Lusath
13	Nagveni	Nogaren;
14	Evangeline Rani	Rami i
15	Manikeshwari	Manifesturari
16	Sarvesh	(A)
17	Shivakumar A	Elms
18	Amitkumar	Lite
19	Mahadev	Xamer
20	Srivastav	Stale
21	Sandip Sandeep	Amore
22	Rohith R	Local
23	Archana Trivansingh	Como.
24	Shashi Kiran	To the second
25	Mallikarjun	(199)

STAFF INCHARGE

PRINCIPAL

Karnataka Arts Sci. & Com. College BIDAR-585401 DEPARTMENT AF, BORRAN & Command Karnatak, BID & R-585 401

KRE SOCIET'Y

KARNATAK ARTS, SCIENCE AND COMMERCE COLLEGE, BIDAR

DEPARTMENT OF BOTANY

ADD ON COURSE

SUB: ALGAL BIODIVERSITY

MAX. MARKS: 20

I. Answer the following questions.

4x5=20

- 1. Explain the structure of algae.
- 2. Explain classification of algae
- 3. Write down the reproduction methods in algae.
- 4. Explain general characters of algae.

Gouni Pringer 2019+20. OF BOT20 Explain the Struture of algal DA 1995 407

Algae are photosynthetic microconganisms That

Perform Photosynthesis & produce oxygen & Consume Con from the atmosphere. During Photosynthesis, algae produce at least half of the argentin Earth's atmosphere. Most of the algae Prinabit the aqualic Envisionment, Either freshwales of morne habitates. They an also occupy on nocker Soils, vegetation of morst terrestrial habitates. Some marine algae were as Seafood, while Some algae produce longing.

Vegetative Structure of algae. & -The vegetative Strudure (thollus) of algae vary from Spices to Species They may be simple unicellullar to Complex multi-collullar Their Bige granges from Small as less than 2 micrometers to large as 30-60 meters long, the following are the diverse vegetaline Strudure of algae 1 unicellullan motile? The body Consider of a Single Cell. Por these algae movement takenplace by flagella Such as Chamydomonas Dicellular non motife? They are Single-Celled round algae. They should as Solitary of in the group within mucilage Covening Ext Chlorella, Gbéoapsa EtC. 5 Motile colonial: In this case dyinite not of unicellular algae form Colony & they are motile. Then type of Colony in known as a motile whom but on the colony of volver. (1) Non motile Colonial 8- In Colonial Joseph, the not of unicellular algae à indépinite & they are non motile en Scenedesmus thydrodictyon

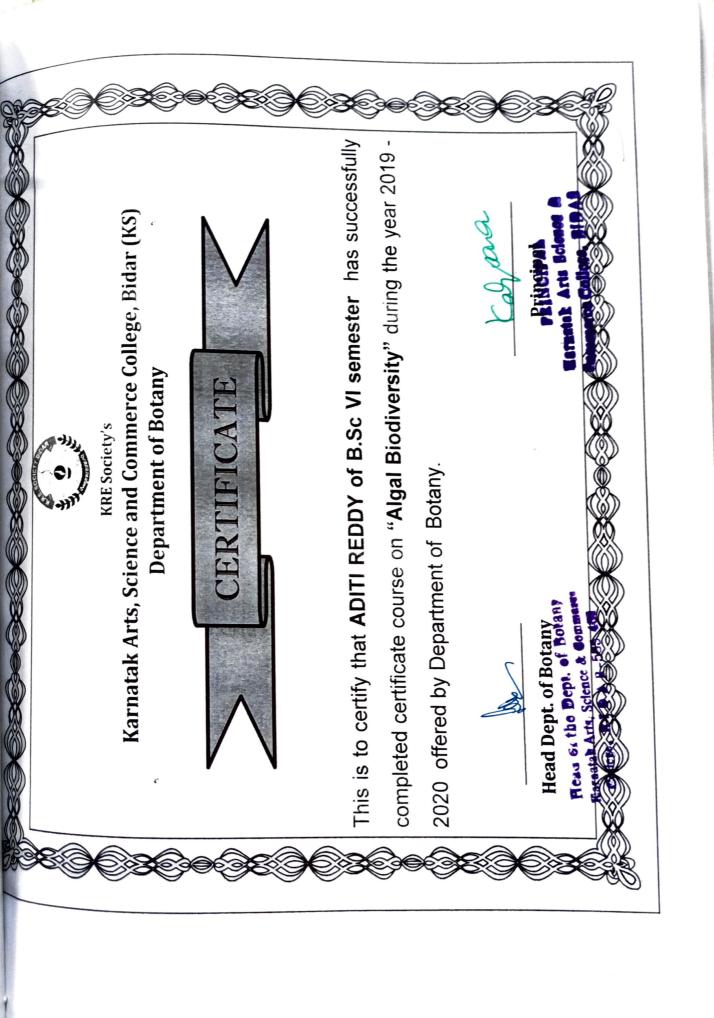
B.Sc Students Marks List

BIDAR 585401

SL.No	NAME OF THE STUDENT	Theory (20)	Practical (20)	* 3E3	
1	Patil Bhavani	20		Mini Project (10)	Total Marks
2	Saoubhagya		19	10	49
3	Aditi Reddy	19	19	10	48
4	Vasavi Gada	20	20	10	50
5	Sakshi Sindol	20	20	10	50
6	Madhurani	20	20	10	50
7	Nandkumar	20	18	10	48
8	Ambika Baliram	20	19	10	49
)	Apporva Subhash	20	20	10	50
10	Amargond	20	20	10	50
11	Mariam	20	18	10	48
.2	Nusrath	20	19	10	49
.3	Nagveni	20	20	10	50
4		20	18	09	47
5	Evangeline Raňi Manikeshwari	20	20	10	50
6		. 20	18	10	48
7	Sarvesh	18	17	09	44
8	Shivakumar A	19	18	09	46
9	Amitkumar	18	17	09	44
0	Mahadev	20	18	09	47
l	Srivastav	17	18	08	43
2	Sandip	19	18	09	44
	Rohith R	20	18	10	48
	Archana Trivansingh	20	19	10	49
	Shashi Kiran	18	17	08	43
,	Mallikarjun	19	18	09	44

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Head 6s the Deps. of Busas;
Rematak Arts, Science & Commarec
Rematak B I D A R-585 401



K.R.E. SOCIETY'S

KARNATAK, ARTS, SCIENCE AND COMMERCE COLLEGE, BIDAR

DEPARTMENT OF BOTANY

ADD-ON COURSE ON ALGAL BIODIVERSITY

Report

Name of the course: Algal Biodiversity

Name of the Department: Botany

Name of the B.O.S: Dr. Rajsamarsen Modi

Number of students: 25

BOS meeting date: 24/7/2019

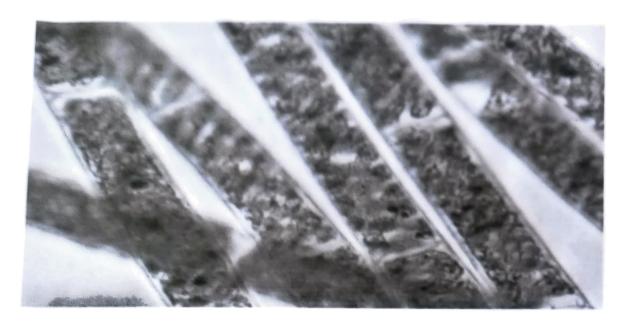
Start date of course: 8/9/2019

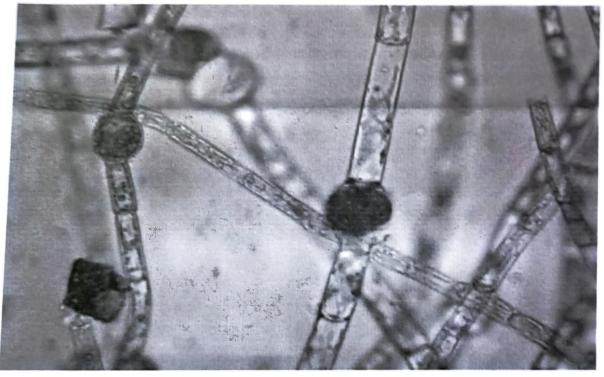
End date of course: 16/2/2020

Department of Botany conducted add-on course on Algal Biodiversity. Algal Biodiversity helps students to understand the characters,, structure of different types of algae, ecological distribution of algae as well as the reproduction in algae it help the students to do research on algae. At the end we are conducted examination on algal biodiversity and declared the result.

HOD Head of the Bept. of Botany Karnataka College, BIDAR Principal

್ವಾಯ-೧೯೯೦ ಕರ್ನಾಟಕ ಕಲಾ. ವಿಹ್ಞಾನ ಮತ್ತು ವಾಣಿಖ್ಯ ಮಹಾವಿದ್ಯಾಲಯ ಇಂದ





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