

Date: 22/7/2017

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 2017-18 Reg.

Respected sir,

As per the guidelines issued by the IQAC, we would like to start the add on course on "Course name" from the academic year 2017-18 with intake of 10 students. Please permit us to start the add on course and do the needful.

Thanking you

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Head

Department of Botany
Karnatak Arts, Science & Commerce
College, B I D A R-585 401

A handwritten signature in green ink, appearing to be "M. S. Srinivas" or similar, written over a horizontal line.

PRINCIPAL

Karnatak Arts Sci. & Com. College
BIDAR-585401



K.R.E SOCIETY'S

Karnatak Arts, Science and Commerce College

Bidar

Department of Botany

Course Name: ALGAL BIODIVERSITY

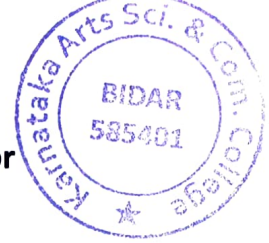
Duration: 30Hrs

Course Coordinator: D.G Joshi

Assistant Course coordinator: Dr. M.S Patil

Name of the Faculty members:

- 1. D.G Joshi**
- 2. Dr. M.S Patil**
- 3. Dr. Pooja Suryawanshi**
- 4. Dr. Piya Roychoudry**



**Minutes of meeting of institutional board of studies for
certificate course on
Algal Biodiversity**

Held on 24 September 2017

the institutional BOS meeting of the Department of Botany for the add on course on "ALGAL BIODIVERSITY" held on 24/9/2017 at IQAC room at 11:00am.

Institutional BOS

S.N	Name	Institute	Designation
1	Dr. Rajsameersen Modi	Assistant Professor, Govt. First Grade college Kalburgi	External Expert member
2	Sri D.G. Joshi	Head Department of Botany Karnatak Arts, Science and Commerce College Bidar.	Chairman
3	Dr. M.S. Patil	Associate Professor, Department of Botany	Member Internal Expert
4	Dr. Pooja Suryawanshi	Assistant Professor, Department of Botany	Member Internal Expert
5	Dr. Piya Roychoudhuri	Assistant Professor, Department of Botany	Member Internal 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 following 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 august 2017.



- **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

H.O.D

Head of the Dept. of Botany
Karnatak Arts, Science & Commerce
College, BIDAR-585401

IQAC Coordinator

**Vice-Principal &
IQAC. Coordinator**
Karnatak Arts, Science &
Commerce College, Bidar

Principal

PRINCIPAL

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

WORK DONE



NAME OF THE LECTURER	TOPICS COVERED AND METHOD USED	DATE
Dr. M.S Patil	Introduction of Algae Classification Structure of Algae.	24/12/2017
Sri D.G. Joshi	Reproduction and life cycles of some types of algae	31/12/17 7/01/18
Dr. Piya Roychoudry	Growth and structure, pattern and classes of algae	14/1/18
Dr. Pooja Suryawanshi	Economic Importance of Algae General characters of Algae	21/1/2018 28/1/2018



K.R.E Society's

Karnatak Arts, Science and Commerce, College Bidar

Department of Botany

Certificate Course in

"Algal Biodiversity"

COURSE OUTCOMES:

The following are minimum learning outcomes after completion of "Algal Biodiversity" course

1. Students can expose to the field of algal biodiversity
2. Understand the principles and diversity of algae
3. Become familiar with making slides and visualization of slides under microscope.
4. Learn the different types of media, culturing methods and preservation methods of algae.

Course description:

Algae are one of the most diverse groups of living organisms 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 and food web. Algae are generally classified as rhodophyta(red algae), pheophyta(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, lifecycle 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

Bidar

Department of Botany

Date:25/9/2017

NOTICE



All the students are here by informed that department of **BOTANY** starting the add on course on **(ALGAL BIODIVERSITY)** from the 25/9/2017 , interested students can enroll their names on or before 30/9/2017 in the department of **BOTANY**.

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HOD

Head of the Dept. of Botany
Karnatak Arts, Science & Commerce
College, B I D A R-585 401

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BIDAR-585401

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

Name of the Department Botany Year 2017-18

Name of the Student Sangamesh

Father name sharanprakash

Date of Birth 27/10/1997

Address for Correspondence At post hudgi

7911 Humnabad P11 Bidar

pincode: 585329



Semester/class : Bsc Vth sem

Register No. : 1643092


Percentage of previous semester: _____

Contact No. : 8792644414

E-Mail ID : mugli5114@gmail.com

Course to be Joined: Algal Biodiversity


Signature of the Student


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



STUDENTS ENROLLMENT FOR CERTIFICATE COURSE(ALGAL BIODIVERSITY) 2017-18

S.NO	NAME OF THE STUDENTS	SIGNATURE
1	Ashwini Jalendar	Ashwini
2	Jantikas Postamod	Jantika
3	Jayalaxmi Sharanbasappa	Jhugor
4	Pratebha Vitthalrao	Pratebha
5	Sangmesh Sharanprakash	Sangmesh
6	Yogesh Kulkarni	Y.K
7	Ambika Soni	AmbikaSoni
8	Narayan Bhadrappa	Narayan
9	Vinod Veerbetty	Vinod
10	Varshali Dilip Jadhav	Varshali




COURSE TIME TABLE

DATE/TIME	8 to 9	9 to 10	10 to 11	11 to 12	3 to 5
24/12/17	Theory	Theory	Practical	Practical	Mini Project
31/12/17	Theory	Theory	Practical	Practical	Mini Project
07/01/18	Theory	Theory	Practical	Practical	Mini Project
14/01/18	Theory	Theory	Practical	Practical	Mini Project
21/01/18	Theory	Theory	Practical	Practical	Mini Project
28/01/18	Exam	Exam	Exam	Exam	

B.Sc Students List and Attendance

S.N	NAME OF THE STUDENT	24/12/17	31/12/17	7/01/18	14/01/18	21/01/18	28/01/18
1	ASHWINI JALENDER	P	AB	P	P	AB	P
2	JANTIKAR PRAMOD	AB	P	P	P	P	AB
3	JAYLAXMI SHARANBASAPPA	P	P	P	P	P	P
4	PRATIBHA VITHALRAO	P	AB	P	P	P	P
5	SANGMESH SHARANPRAKASH	P	P	P	P	AB	P
6	YOGESH KULKARNI	P	P	AB	P	P	P
7	AMBIKA SONI	P	P	P	P	AB	P
8	NARAYAN BHADRAPPA	P	AB	P	P	P	AB
9	VINOD VEERSHETTY	P	P	P	AB	P	P
10	VAISHALI DILIP JADHAV	AB	P	P	P	P	P


 Head of the Dept. of Botany
 Karnatak Arts, Science & Commerce
 College, B I D A R - 585 401
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 Head of the Dept. of Botany


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DEPARTMENT OF BOTANY

DATE:29/1/2017

NOTICE:

All the students who have enrolled their name for certificate course in algal biodiversity for the year 2017-18 are here by informed to attend theory exam on 2/2/2018 at 11am without fail.

H.O.D

**Head of the Dept. of Botany
Karnatak Arts, Science & Commerce
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DEPARTMENT OF BOTANY

DATE:29/1/2018

NOTICE:

All the students who have enrolled their name for certificate course in Algal Biodiversity for the year 2017-18 are here by informed to attend practical exam on 2/2/2018 at 2-3pm without fail.

H.O.D

**Head of the Dept: of Botany
Karnatak Arts, Science & Commerce
College, B I D A R-585 401**



STUDENTS ATTENDANCE SIGNATURE FOR CERTIFICATE COURSE THEORY EXAM 2017-18

S.NO	NAME OF THE STUDENTS	SIGNATURE
1	Ashwini Jalendar	Ashwini
2	Jantiker pramod	Jantiker
3	Jaylaxmi sharanbalappa	Jaylaxmi
4	pratibha vitthalrao	Pratibha
5	Sangmesh sharanprakash	SSAN
6	Yogesh Kulkarni	Y.K
7	Ambika soni	Ambikasoni
8	Narayan Bhadrappa	Narayan
9	Vinod Veerchetty	Vinod
10	Vaishali Dilip Jadhav	Vaishali


STAFF INCHARGE


H.O.D

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Karnatak Arts, Science & Commerce
College, BIDAR-585401



STUDENTS ATTENDANCE SIGNATURE FOR CERTIFICATE COURSE PRACTICAL EXAM 2017-18

S.NO	NAME OF THE STUDENTS	SIGNATURE
1	Ashwini Jalendar	Ashwini
2	Jantilar Pramod	Janti
3	Jayalaxmi charanbasappa	Jugar
4	prathiba vitthalrao	Prathiba
5	Sangmesh sharanprakash	Sangmesh
6	yogesh kulkarni	Y.K
7	Ambika soni	Ambikasoni
8	Narayan Bhadrappa	Narayan
9	Vinod Veerbhetty	Vinod
10	Vaishali Dilip jadhav	Vaishali


STAFF INCHARGE


H.O.D

DEPARTMENT OF BOTANY
Head of the Dept. of Botany
Karnatak Arts, Science & Commerce
College, BIDAR-585 401



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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.

Answer the following Questions.

1.6 Explain Structure of Algae?

Algae are photosynthetic microorganisms that perform photosynthesis & produce oxygen & consume CO_2 from the atmosphere.
→ Most of the algae inhabit the aquatic environment, either freshwater or marine habitats.

Vegetative structure of Algae.

The vegetative structures (thallus) of algae vary from species to species. They may be simple unicellular to complex multicellular. Their size ranges from small as less than 2 micrometers to large as 30-60 meters long.

The following are the diverse vegetative structure of algae.

① Unicellular motile: - The body consists of a single cell. In the algae, movement takes place by flagella, such as Chlamydomonas.

② Unicellular non-motile: - They are single-celled round algae. They exist as solitary or in the group within mucilage covering.
Ex: Chlorella, Rhodospirillum etc.

③ Motile colonial: - In this case definite no. of unicellular algae form colony and they are motile. This type of colony is known as a motile colony.
Ex: Volvox.

④ Non-motile colonial: - In colonial forms, the no. of unicellular algae is indefinite.
Ex: Hydrodictyon, Scenedesmus.




STUDENTS ATTENDANCE SIGNATURE FOR CERTIFICATE COURSE PRACTICAL EXAM 2017-18

S.NO	NAME OF THE STUDENT	THEORY (20)	PRACTICAL (20)	PROJECT (10)	TOTAL (50)
1	Ashwini Jalendar	19	18	10	47
2	Jantikar Pramod	20	19	9	48
3	Jaylaxmi Sharanbasappa	19	19	10	48
4	Pratibha Vitthalrao	15	16	8	39
5	Sangmesh Sharanprakash	20	20	10	50
6	Yogesh Kulkarni	19	18	9	46
7	Ambika Soni	17	18	10	45
8	Narayan Bhadrappa	18	19	8	45
9	Vinod Vrushetty	19	17	10	46
10	Vaishali Dilip gadhau	20	19	10	49


STAFF INCHARGE


H.O.D


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Karnataka Arts, Science & Commerce
College, BIDAR-585 401

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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: 10

BOS meeting date: 24/9/2017

Start date of course:24/12/2017

End date of course: 2/2/2018

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 Dept. of Botany
Karnataka College, BIDAR**


Principal

**ಪ್ರಾಚಾರ್ಯರು
ಕರ್ನಾಟಕ ಕಲಾ, ವಿಜ್ಞಾನ ಮತ್ತು
ವಾಣಿಜ್ಯ ಮಹಾವಿದ್ಯಾಲಯ, ಬಿದಾರ**

