

6.5.3- C: Quality assurance initiatives of the institution include:



**KARNATAK UNIVERSITY'S**  
**Karnatak Science College, Dharwad**  
**A BRIEF ANNUAL REPORT OF THE INSTITUTION**

**VISION**

JUST, EQUITABLE, TRANQUIL, HARMONIUS SOCIAL ORDER WITH SCIENTIFIC TEMPERAMENT.

**MISSION**

- To enhance student's ability, to make them special and thereby creating experiences so surprisingly positive and memorable.
- To provide a variety of options for delivering dazzling Science education to our students.
- To offer invigorating experiences in a way that builds confidence and creates sustainable and positive defining moments.
- To inspire students to do what they say they will.
- To help students to network with people who have common needs and interests to do something extra.
- To provide necessary infrastructure to generate a talented human resource pool; this will be useful to our society at large.
- To transform students into sharp thinkers, writers, speakers and leaders in the professions of their choice.
- To instill scientific temperament in the younger generation.

**GOALS**

- a) Imparting total quality education in pure Sciences.
- b) Providing the curriculum relevant to societal needs.
- c) Creating awareness about the developments in Science and Technology.
- d) Sensitizing global competencies among youth.
- e) Inculcating a sense of National character; contribution to National integration and development.
- f) Creating pleasant environment to achieve excellence in curricular, co-curricular and extra-curricular activities.
- g) Establishing Memorandum of Understanding (MOU) with neighbouring industries.
- h) Empowering students to take up challenging career opportunities.

- i) Designing an action plan for helping physically challenged persons, slow learners and students from rural backgrounds.
- j) Encouraging girl students to face the challenges of life independently.

### EMBLEM

“The Emblem of our college symbolizes excellence in teaching and research in basic sciences, such as Physical Sciences, Chemical Sciences, Biological Sciences, Earth Sciences and their applications”



Description of the College Emblem:

- The CREEPER is a symbol of the environment which surrounds, sustains and protects all organisms.
- The structure of the PLANETARY ELECTRONS symbolizes the enormous energy and the possibilities offered to man for the study of matter, energy and the phenomena arising from their interactions, in the UG and PG department of Physics, including UG studies on Electronics and Computer Science.
- The CHISEL and DIAMOND symbolize the hidden wealth in the earth and its study in the department of Geology.
- The GLOBE represents the uniqueness of our planet, and challenges offered for its study, which is undertaken in the department of Geography.
- The FINGERPRINT PATTERN signifies the infallibility of scientific evidence in the administration of justice; a symbol of the department of Criminology and Forensic Science.
- The pair of a BIRD and a FISH symbolizes non-aquatic and aquatic animal kingdoms, and the innumerable mysteries awaiting their exploration in the departments of Zoology, Microbiology and Industrial Fish and Fisheries.
- The FLOWER TWIG represents the beauty and tenderness of life around us and the flora, inspiring its fascinating study which is undertaken in the departments of Botany and Genetics.
- The ROUND BOTTOM FLASK and TEST TUBE represents the enquiring, keen observation and experimenting mind of a chemist, in the UG and PG department of Chemistry, including UG studies on Biotechnology.

**Admission Committee:** Principal constitutes the admission committee to receive, scrutinize and admit the students for various courses. Eligible students based on the merit cum roaster are selected and admitted. Details of the admissions for different programmes for the academic year 2020-21 are as follows.

Sl. No.	Programme	Year	No of applications received	No. Of students admitted
01	B.Sc.	I	3500	354
02	BCA	I	158	47
03	B.Sc.(CS)	I	88	29
04	M.Sc. (Chemistry)	I	684	36
05	M.Sc. (Physics)	I	768	35
06	M.Sc. (Mathematics)	I	565	35
07	B.Sc.	II	354	393
08	BCA	II	61	61
09	B.Sc.(CS)	II	41	41
10	M.Sc. (Chemistry)	II	36	36
11	M.Sc. (Physics)	II	20	20
12	M.Sc. (Mathematics)	II	35	35
13	B.Sc.	III	406	406
14	BCA	III	60	60
15	B.Sc.(CS)	III	46	46

**Calendar of Events:** Calendar of events was done by the academic committee of the college and submitted to the principal during vacation. Principal intern circulated the same to all the departments for the strict implementation of all the programmes mentioned.

**Common Room Meeting:** On the day of reopening of the college, common room meeting of all the staff members was called by the principal. In this meeting principal addressed all the staff members and informed about the programmes and the activities to be conducted as per the calendar of events. Principal congratulated the staff members and the students for their outstanding achievements.

**Commencement of Classes and Practical's:** On the day of reopening (01/09/2020) all theory and practical classes resumed. Introductory classes and the syllabus for the present semester were discussed with students.

**Bridge Course:** In the beginning of each academic year, bridge courses were conducted to all students to refresh their memories of the previous semester. Bridge courses were conducted from 16<sup>th</sup> to 21<sup>st</sup> of September 2020 for odd semester and 16<sup>th</sup> to 21<sup>st</sup> May 2021 for even semester.

**Induction Programme:** Induction programme for fresher's (Students admitted to B.Sc., BCA and B.Sc.(CS), M.Sc. Physics, Chemistry and Mathematics) has been conducted on 5th and 6 th of February 2021 to introduce to the newly admitted students, all the teachers from different departments, the different courses offered in the college, infrastructure in the campus, facilities available, responsibilities of the students, different cells in the college to

monitor the student's academic progression, health centre facility, banking facility, NCC, NSS, gymkhana facilities, Students welfare committee, an placement cell among many others.

**Science Association and Study Circles:** Science Association and different study circle activities were inaugurated on 19<sup>th</sup> September 2020. In view of Covid-19 pandemic and lockdown few activities were conducted.

**Celebration of National Festivals and other important days:** All the National festivals were celebrated by staff members and students as per the calendar of events. Details are as follows.

Sl. No.	Activities	Date	Number of participants
1	College Founder's day	09-08-2020	155
2	Independence Day	15-08-2020	188
3	Sir. Siddappa Kambli birth Anniversary	11-09-2020	90
4	Mahatma Gandhi Jayanti	02-10-2020	85
5	Maharishi Valmiki Jayanti	24-10-2020	40
6	Kannada Rajyostava	01-11-2020	142
7	Gururanak Jayanthi	19-11-2020	25
8	Kanaka Jayanti	21-11-2020	60
9	National Constitutional Day	26-11-2020	122
10	Swami Vivekananda Jayanti	12-01-2021	135
11	National Voters Day	25-01-2021	123
12	Republic Day	26-01-2021	165
13	Dr.B.R.Ambedkar Jayanti	14-04-2021	57
14	Basava Jayanthi	14-05-2021	69

**IQAC Initiative Programmes:** Due to Covid-19 Pandemic and lockdown and to keep the academic interest of the staff members and students, IQAC has initiated many online programmes in association with different departments. Details as follows

Sl. No.	Name of the Event	Organizing Department	Date of the event	Number of participants
01	Two Days International Webinar on Climate Change. Natural Hazard and Sustainable Development.	Geography	26 – 27 November 2020	105
02	One-Day National Webinar on "Computer Applications in Medical Science",	Department of Computer Applications	01 December, 2020	98
03	International Webinar on Emerging Innovations in Biotechnology (IWEIBT-2020)	Department of Chemistry (Biotechnology)	17 <sup>th</sup> December 2020	60

04	One Day National Webinar on Roll of Biodiversity in 21 <sup>st</sup> Century	Department of Botany	07-December 2020	98
05	Two-Day International Webinar on Recent Innovations in Chemical Sciences (IWRICS-2020)	Department of Chemistry	04 <sup>th</sup> - 05 <sup>th</sup> December, 2020	152
06	One Day Webinar on International webinar on Advances and Opportunities in Genetics	Department of Botany (Genetics)	19 <sup>th</sup> December, 2020.	65
07	One Day National Webinar on NAAC Assessment and Re-Accreditation: An Insight	IQAC, KSCD.	16 December 2020	84
08	One Day International Webinar on Recent Trends in Physics	Department of Physics	28 Nov. 2020	89
09	One Day National Webinar on Big Data Analytics	Department of Statistics	08 Dec. 2020	62
10	One Day State Level Student Seminar on "Effect of Covid on Education and Employment in India	SWO. KSCD	09 January-2021	48
11	One Day National Webinar on "Faunal Biodiversity and Prospects of Life Sciences	Department of Zoology	30 Nov. 2020	71
12	one day virtual training programme on "Awareness on Intellectual Property Rights (IPR)"	IQAC, KSCD	30 May 2021	57
13	virtual training on "English Language Communication"	IQAC, KSCD	12 <sup>th</sup> & 13 <sup>th</sup> May 2021	101
14	One Day Webinar on "Soft Skill: The Necessity of 21st Century Students and Professionals"	IQAC-KSCD	14 May 2021	34
15	One day Virtual Virtual Training programme on "Online Academic Resources: Techniques for Retrieval and Use"	IQAC-KSCD	15 May 2021	63
16	One Day National Webinar on Sports Medicine & Allied Sciences for Injury and Dope free performance –A Perspective	Department of Physical Education and Sports	21 January 2021	115

**Internal Theory and Practical Examinations:** For the academic year 2020-21, two theory and one practical internal test were conducted as per the time table given below.

[Online First Internal theory Assessment Exam for B.Sc. VI Sem : 2020-21TIME-TABLE](#)

DATE/CLASS	B.Sc. VI sem		
	10am to 11am	1pm to 2pm	4pm to 5pm
09-07-2021 Friday	Chemistry(P-I) Electronics(P-I) Comp. Sc.(P-I)	Maths ( P-I)	Statistics(P-I)Geology(P-I)For. Sc.(P-I) Genetics Microbiology(PI)Bio- Tech(P-I) Ind. Fish(P-I)
10-07-2021 Saturday	Maths( P-II) Zoology(P-I) Geography(P-I)	Physics(P-I) Botany(P-I) Anthropology(P-I)	Chemistry(P-II) Electronics(P-II) Comp. Sc.(P-II)
11-07-2021 Sunday	Statistics(P-II) Geology(P-II) For. Sc.(P-II) Genetics(P-II) Microbiology(P-II) Bio-Tech(P-II)Ind. Fish(P-II)	Maths (P-III) Zoology(P-II) Geography(P-II)	Physics(P-II) Botany(P-II) Anthropology(P-II)

KARNATAK SCIENCE COLLEGE, DHARWAD

[Online First Internal theory Assessment Exam for B.Sc. IV Sem : 2020-21TIME TABLE](#)

DATE/CLASS	B.Sc.IV sem		
	10am to 11am	1pm to 2pm	4pm to 5pm
09-07-2021 Friday	Statistics GeologyFor. Sc. Genetics Microbiology Bio-TechInd. Fish	Maths(P-I) Zoology Geography	Physics Botany Anthropology
10-07-2021 Saturday	Chemistry ElectronicsComp. Sc.	Kannada	English Hindi Sanskrit Addl. Eng Urdu F. L.
11-07-2021 Sunday	Computer Application	Maths( P-II)	

KARNATAK SCIENCE COLLEGE, DHARWAD

Online First Internal theory Assessment Exam for B.Sc. II Sem : 2020-21 TIME TABLE

DATE/CLASS	B.Sc.II sem		
	10am to 11am	1pm to 2pm	4pm to 5pm
09-07-2021 Friday	Physics Botany Anthropology	Chemistry Electronic sComp. Sc.	Statistics Geology, For. Sc. Genetics Microbiology Bio-Tech Ind. Fish
10-07-2021 Saturday	Maths(P-I) Zoology Geography	English	Kannada Hindi Sanskrit Addl. Eng Urdu F. L.
11-07-2021 Sunday	Maths( P-II)	Indian Constitution	

**Note :**

1. There will be 20 multiple choice questions and each question carries 2marks. All questions are compulsory.
2. Google form may be used to conduct online examination.



Principal

**B.Sc. Second Internal theory Assessment:  
2020-21 TIME-TABLE**

DAY & DATE	TIME	SEMESTER		
		2 <sup>nd</sup>	4 <sup>th</sup>	6 <sup>th</sup>
30-07-2021 Friday	8.00am to 9.00am	Physics P1,P3 Botany B1,Z1 Anthropology G3	Statistics S1 Geology GL1 For. Sc. CR1 Genetics G4 Microbiology Z2 Bio-Tech C2 Ind. Fish Z3	Chemistry(P-I) C1,C3,C4 Electronics(P-I) P2/lab Comp. Sc.(P-I) P2
31-07-2021 Saturday	8.00am to 9.00am	Chemistry C1,C3,C4 Electronics P2/lab Comp. Sc. P2	Maths(P-I) G1,G2 Zoology Z1,B1 Geography G6	Maths( P-I) P1,P3,

01-08-2021 Sunday	8.00am to 9.00am	Statistics S1 Geology GL1 For. Sc. CR1 Genetics G4 Microbiology Z2 Bio-Tech C2 Ind. Fish Z3	Physics P1,P3 Botany B1, Z1 Anthropology G3	Statistics(P-I) C1 Geology(P-I) C3 For. Sc.(P-I) CR2 Genetics N1 Microbiology(P-I) N2 Bio-Tech(P-I) C2 Ind. Fish(P-I) N3
02-08-2021 Monday	8.00am to 9.00am	Maths(P-I) N1, G5 Zoology Z1,B1 Geography G6	Chemistry C1,C3,C4 Electronics P2/lab Comp. Sc. P2	Maths( P-II) P1,P3 Zoology(P-I) G1,G2 Geography(P-I) G3
03-08-2021 Tuesday	8.00am to 9.00am	English C1,C2,C3,C4	Kannada G1,G2,G5,G6	Physics(P-I) P1,P3 Botany(P-I) B1,Z1 Anthropology(P-I) G3
04-08-2021 Wednesday	8.00am to 9.00am	Kannada N1,N2,N3, Z1 Hindi Z2 Sanskrit Z2 Addl. Eng Z3 Urdu Z3 F. L. Z3	English G1,G2,G5,G6 Hindi G3 Sanskrit G3 Addl. Eng G4 Urdu G4 F. L. G4	Chemistry(P-II) C1,C3,C4 Electronics(P-II) P3 Comp. Sc.(P-II) P2
05-08-2021 Thursday	8.00am to 9.00am	Maths(P-II) G1,G2	Computer Application C1,C2,C3,C4	Statistics(P-II) S1 Geology(P-II) GL1 For. Sc.(P-II) CR1 Genetics(P-II) G4 Microbiology(P-II) Z2 Bio-Tech(P-II) Z1 Ind. Fish(P-II) Z3
06-08-2021 Friday	8.00am to 9.00am	Indian Constitution C1,C2,C3,C4	Maths( P-II) G1,G2	Maths(P-III) P1,P3 Zoology(P-II) Z1,B1 Geography(P-II) G6
07-08-2021 Saturday	8.00am to 9.00am	-	-	Physics(P-II) P1,P3 Botany(P-II) B1,Z1 Anthropology(P-II) G3

NOTE: All HOD's are requested to conduct second internal theory exams either in online mode(MCQ type) OR in offline mode(Descriptive type) according to their convenience as per the time table.

**Remedial Classes for Slow Learners:** College has adopted a healthy practice of identifying slow learners based on the performance of the students in the first internal theory test. For such students, remedial classes were conducted in all the departments. Student's attendance for the remedial classes is separately maintained. In addition to the slow learners, advanced learners are also identified and they were given the advice to participate in the seminars/workshops/symposiums/conferences etc., Preparing small project works and submit for the financial support from funding agencies.



Karnatak University's  
Karnatak Science College, Dharwad  
B.Sc -I & II Semester : 2020-21

Sl. No.	Reg. No	Students Name	22.1.2021	31.01.21	18.02.21	21.2.21	22.2.2021	24.2.21	27.3.21	4.3.21
1.	238	Afrab Hebbal	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
2.	239	Aishwarya Hiremath	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
3.	241	Anjali Rudagi	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
4.	244	Bhimesha	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
5.	246	Chidanand Kadeshnavar	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
6.	247	Danamma Konnur	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
7.	253	Kavya Sappur	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
8.	254	Khajamainuddin Agasar	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
9.	256	Kiran Rathod	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
10.	257	Laxmi Navalur	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
11.	258	Madan Munje	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
12.	261	Mallappa Jigeri	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
13.	262	Manikant Hogbandi	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
14.	264	Manjunath Wailkar	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
15.	267	Meghana Biradar	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
16.	268	Mustaf Kandagal	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
17.	271	Prateek H.G.	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
18.	274	Punit Dalawai	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
19.	280	Ravikiran Nesaragi	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
20.	281	Renuka Dindoor	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
21.	282	Revati Kadanavar	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
22.	286	Sandeep	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
23.	287	Santosh Hubbali	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
24.	292	Sudeep Mural	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
25.	293	Suprita Khot	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
26.	295	Varun Desai	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>
27.	296	Venkatesh	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>	<i>Handwritten</i>

Karnatak University's

Karnatak Science College, Dharwad

ADVANCE LEARNERS  
B.Sc - I & II Semester : 2020-21

Sl. No.	Reg. No.	Students Name	22/1/21	30/1/21	18/2/21	21/2/21	22/2/21	24/2/21	25/2/21	27/2/21	28/2/21	29/2/21	4/3/21
1.	252	K. Kirankumar	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
2.	259	Maiboo Dalal	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
3.	273	Priyanka Hosur	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
4.	278	Rakshita Chinnannavar	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
5.	279	Ramesh Bhandari	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
6.	283	Roopa Ambaji	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
7.	298	Vijayalaxmi Goudar	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
8.	305	Bhumika Suryavanshi	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
9.	315	Sinchana Kumar	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
10.	317	Vidya Matanavar	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
11.	323	Nikita Gudipati	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
12.	332	Veena Bhandari	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
13.	513	Shireen Kalbugri	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Topic.			Adaptation to land to water	Evaluation of structure in reptiles, amphibians, avian	Range of tissues	Reproduction in bryophytes	Experiments	classification of gymnosperms	Ecological diversity	Evolutionary	Evolution of life	Importance of research in biological sciences.	
Signature of teachers.			DKS	CGP	DKS	DKS	KPK	KPK	KPK	DKS	CGP	CGP	

## **NATIONAL SCIENCE DAY: 26<sup>th</sup> FEBRUARY 2021 ,Guest Speaker: Dr. T.**

### **Ramasami**

Dr Thirumalachari Ramasami, Former Secretary in the Ministry of Science and Technology, Government of India is currently Nayudamma-Abdul Wahid Chair Professor at the Anna University in Chennai. He served as Secretary to Government of India for about 8 years during 2006-14 and as Director, Central Leather Research Institute of CSIR during 1996-2006 and as member of ABEO in the Organization for Prohibition of Chemical Weapons in The Hague during 2016-19. He is known for his significant contributions to the chemistry of chromium as a scientist and leadership to the Indian leather and science sectors as a technologist and civil servant. He has won more than 60 awards including Shanthi Swarup Bhatnagar Prize for chemical sciences in 1993, National civilian honours Padma Sri in 2001 and Padma Bhushan in 2014. He has published more than 237 publications in peer reviewed journals and filed more than 40 patents. All 12 process know-hows and several of his patents developed by his teams are in commercial exploitation. He has recently brought out a monograph in collaboration with renowned Mridangam Artiste; Dr Umayalpuram K Sivaraman ti tled "Musical Excellence of Mridangam" published by Academic Foundation.

### **A talk on Science for Humanity on the occasion of National Science day- 26th February 2021:**

Ancient Indian civilization was built on the foundation of " Vigyan" which connotes "special wisdom". Upanishad vowed Pranamaya, Annamaya, Vigyanamaya, Anandamaya. Vigyan was seen as a route to bliss. Post Newton era, modern science developed world over and industrial revolution ushered applications science for economic well-being. Research and Development could deliver public, strategic, private and social goods. In modern world business returns from scientific research have started playing critical roles. Corona virus pandemic has demonstrated the unanticipated consequences of globalizing trade and economy. There appears a direct correlation between COVID fatalities and Gross Domestic Products of nation states. Need for revisit of research and development for competitive advantages in the market place and private good is underscored by the COVID pandemic. Gandhi spoke for moral values and defined seven social sins which included Science without Humanity. It is proposed to present an observed correlation between COVID case burdens and Gross Domestic products of Indian as well as Nation states in the world and make a compelling case for collaborative rather than competitive excellence in science. An attempt will be made to make a case of social consciousness of science and scientists and the value of affordable scientific innovations for serving unmet and under-served needs of the poor.

## **READING ROOM**

Apart from the curricular training the students of our college are encouraged to take part in extra curricular activities through Gymkhana. Reading room is one of the departments of Karnatak Science College Gymkhana, which is headed by a permanent faculty member as a Chairperson and the Student secretary is selected based on merit. Reading of books, general newspapers, magazines develops our thoughts, imparts us endless knowledge, improves vocabulary, helps us visualize things and keeps our mind active and improves memory, helps in communication. The main aim of this department is to build the understanding and awareness in students in different situation also to enhance the imagination, creativity, positive thinking and writing. It gives them an opportunity to understand the social, economic and political problems and current affairs of the society and country. I t helps them understand the scientific research scenario of the country and about various National institutes of higher education, provides employment opportunity, helps in their holistic development. In general reading turns them into good citizens of the country. The department provides infrastructure and furniture for the students to spend their leisure time without wasting time. The activity was started with the selection of students' secretary from the B.Sc. final year students. Mr. Punyanand from B.Sc. V sem of PCM combination was selected as the students secretary for the year 2020-2021 based on merit among the top 5 shortlisted.

## **REPORT OF AKKA ASSOCIATION**

The activities of AKKA Association for the year 2020-21 started on 12th February 2021. Miss. Neha Shurpali - B.Sc. III year and Miss. Durga Hegde - B.C.A. III year were selected as Student Secretaries for the year 2020-21. A formal get-together of all the Ladies Staff Members, Secretaries and few girl students was held on the same day, i.e., 12th February 2021. This was also associated with the opening ceremony of the "AKKA ASSOCIATION" room, in the first floor of the College Building. However, students were encouraged to overcome the stress and fear created by the pandemic through the online media and were also encouraged to participate in various online Quiz, Webinars arranged by the different organizations.

## **NATIONAL SERVICE SCHEME (NSS)**

Karnatak Science College has well established NSS Unit consists of one hundred volunteers. National Service Scheme (NSS) is beneficial to both students as well as society in various means. NSS helps the students to grow individually and also as a group. It makes the students confident, develop leadership skills and gain knowledge about different people and society. NSS volunteers work in rural areas, adopted villages and in society through education and

health awareness programmes. NSS helps to develop sense of social and civic responsibility. NSS unit of Karnatak Science College regularly conducting number of programmes every year in order to help college and also society. Followings are the some programmes conducted by NSS Unit.

### **2020 - 2021**

1. NSS volunteers regularly participating in campus cleaning activities in the name of "Shramadana" . In this, volunteers involved in "Plastic free campus programme "and''cleaning campus programme'' 1 Every year fifty NSS volunteers participated in 7 days rural NSS camp conducted in selected village. In this camp, students develop leadership quality, cleanliness of society, self confidence etc. Every day there is a special lecture by resource persons from dif ferent f ields. Cultural activities by students also conducted in NSS camp.
2. NSS conducted National Voters day on 25/01/2021. Principal Dr. Smt. A.S. Bellad was the President of this function. HOD of Zoology department was the chief guest of this function.
3. NSS volunteers of our college participated in Covid-Vaccination awareness programme on 26thApril 2021. In this programme distribution of free masks to different poor people and created awareness about Covid vaccination. In this campaign, participated University NSS co-ordinator Dr. M.B. Dalpati and also NSS Nodal officer Dr. Nyamti and also programme officers and volunteers of different colleges of Hubli-Dharwad.
4. NSS volunteers participated in plastic eradication programme on the day of Gandhi Jayanti, our volunteers visited number of houses to create awareness about bad effects of plastic in society ,volunteers collected road side plastics and handed over to HDMC
5. Guruprakash Reddy, B.Sc. V Semester of Karnataka Science College, Dharwad, participated in National Integration Camp, 2020 from 26/02/2021 to 04/03/2021 at Karnatak University Campus, Dharwad.
6. Radhika Bhajantri and Arunkumar Muttagi of PCM Combination were participated in
7. Seven days University level Leadership Training Camp conducted in Karnatak University Campus, Pawate Nagar, Dharwad from 07/01/2020 to 13/01/2020 under the theme of 150<sup>th</sup> Anniversary of Mahatma Gandhi and NSS Golden Jubilee Celebration. Radhika Bhajantri NSS volunteer of KCD- Own Ist Prize in Special lecture competition in 7 days University level leadership training camp conducted in Karnatak University Campus, Dharwad from 07/01/2020 to 13/01/2020

8. days NSS Camp was conducted from 03/03/2020 to 09/03/2020 at Shalmala Hostel, Karnataka University Campus, Dharwad. Different resource persons from different fields gave lectures about "Swacha Bharat Abhiyana", "Plastic free campus", "Personality development" in volunteers, "Roll of NSS in Society" etc. NSS volunteers develop self confidence, leadership quality in this NSS camp. voice chancellor Dr T.M Bhaskar Rashmi Garag - B.Sc. (CZ-Micro), Guruprakash Reddy - B.Sc. (CZ-Gen), Mahesh B. Koppad - B.Sc. (CAFS), and Spoorti Patil - B.Sc. (CZFS), participated in "YOGA SANGAM- 2020" programme from 09/01/2020 to 12/01/2020 (4 days) conducted by SPYSS [Yoga Sparsha Pratistana] at Deshapande foundation Hubli. Ex voice Dr T.M. Bhaskar and Registrar Hanmantappa participated in programme in college campus on 09/02/2020 to 22/01/2020 Ex principal Dr. C.F Mulimani was gave instructs to the students in the NSS programme called "NSS-ÀqÉzÀÄ §AzÀ zÁj'." [Nss nadedu banda dari].

### **IQAC REPORT FOR THE YEAR 2020-21**

Internal Quality Assurance Cell of our college has conducted various programmes in association with different departments. The meeting of all the members of IQAC was convened on 14th September 2021, The IQAC members Dr . H. Ni ranjanmur thy, Dr . A. A. Hooli , Sri . Shridhar Hanagal (Industrialist ) , Dr . Vi kram Agadi (Rtd. Scientist , CSIR) Dr . Vi jay Yenagi (Alumnus), Dr. C. G.Patil, Dr. Manjunath S., Dr. Nagaraj S., Dr.(Smt). R. D. Sanakal, Dr. (Smt). Nirupama, Dr. Rajesh Kalkambkar, Dr. Narayankar D. S., Sri. P. P. Kulkarni, Miss. Nivedita Javali(Student), Dr.(Smt.)A.S. Bellad, Chairperson, and Coordinator Dr.L.T.Nayak were present. IQAC in association various Departments of College have conducted Webinars given as under.

1. **Dept. of Geography Organized** Two day Inter- national Webinar on **.Climate Change, Geo-hazards & Sustainable Development on 26-27 Nov 2020**
2. **Dept. of Physics organized** One Day National Webinar on **.Recent trends in Physics on 28 Nov 2020**
3. **Dept. of Zoology conducted** One Day National Webinar on **. Faunal Diversity & Prospects of life Sciences on 30 Nov 2020**
4. **BCA & B.Sc (Cs) organized** One Day National Webinar on **Computer applications in Medical Science on 1, Dec 2020**
5. Dept. Of **Chemistry** conducted Two day Inter- national Webinar on **Recent Innovations in Chemical Sciences on 4-5 Dec, 2020**
6. Dept. Of Botany One Day National Webinar on **.Role of Biodiversity in 21st century on 7 Dec 2020**

7. Dept. Of **Statistics** One Day National Webinar on **Biodata Analytistics**, 8 Dec 2020
8. **IQAC organized** One Day National Webinar on. **NAAC Assessment & Reaccreditation : An Insight** on 16 Dec 2020.
9. Dept. Of **Chemistry & Biotechnology organized** One day Inter- national Webinar on **Emerging Innovations in biotechnology** on 17 Dec 2020.
10. **Physical education ,Sports Dept. Of Gymkhana** conducted one day National webinar on **Sports Medicine and Allied Sciences for injury and Dope Free performance-A perspective** on 21, Jan 2021
11. **IQAC organized** One day virtual training on **English Language Communication** on 12-13 May 2021
12. **IQAC organized** One day virtual training on. **Academic Resources: Techniques for Retrieval & Use** -15 May 2021
13. **IQAC organized** One day virtual programme on **NAAC Awareness** -25 May 2021
14. **IQAC organized** One day virtual training on . **Intellectual Property rights**-30 May 2021

**IQAC organized Induction programmes:** On 6th February 2021, an induction programme for First year students of B.Sc. and B.C.A and B.Sc(Cs) was organized in association with student welfare office in the programme, information regarding various facilities in different departments, campus, courses conducted, forums of college, Library, Auditorium, Health centre, Bank, Hostels, was given to the students. They are also educated regarding the implementation of CBCS system in B.Sc. Courses. Many programmes were conducted in the college as an initiative of IQAC and the coordinator thanked all the teaching and non-teaching staff of the college for their support, coordination and unconditional cooperation.

**REPORT ON TWO DAY STATE LEVEL ONLINE SEMINAR COMPETITION  
19TH & 20TH JANUARY 2021 (FOR UG SCIENCE STUDENTS)**

Karnatak Science College, Dharwad, conducted Two Day State Level Online Students seminar competition as IQAC initiative and in association with Student Welfare Office of the College. This seminar competition was organized only for UG degree students studying in science stream. This program was held on 19th & 20th January 2021. Following two themes were selected for seminar competition.

**(1) EFFECT OF COVID ON EDUCATION IN INDIA    (2) EFFECT OF COVID ON EMPLOYMENT IN INDIA**

Information brochure and applications was sent to all degree college spread across our state

(nearly 700 + colleges) where UG course in science stream is taught. This includes Govt. First Grade Colleges, Private Aided Colleges and Private Unaided colleges. Only two students from a college were allowed to participate (One student for one topic). Students from science Colleges spread in 7 Districts (Mysuru, Koppal, Bagalakot, Vijayapura, Kalaburgi, Uttara Kannada & Dharwad) of our state participated in this seminar competition. 26 UG students with science stream participated in this event. Each student was given 10 minutes time and give Power Point Presentation on the topic chosen by them. In order to maintain fair and impartial evaluation of the presentation, each participant was given a Code Number generated randomly. As rule of competition, all participants were instructed not to disclose their identity during presentation in any form. Presentation was in English language. Four Judges were selected from Degree Colleges spread across state for evaluating the performance of participants. Judges were told only code number of participants. Evaluation was based on points such as Subject Content, Innovative Ideas, Original PPT presentation, Language and Time Management. This system was very much appreciated by many students and teachers. This Online Seminar competition was Inaugurated by Dr. A. Hosk. A. Hooli, Former Principal, Karnatak Science College and function was presided over by Dr. Smt. A.S. Bellad, Principal, Karnatak Science College, Dharwad. Dr. L.T.Nayak, Co Ordinator, IQAC, M.R.Ranganath, Organizing Secretary & SWO, Dr. C.G.Patil, Dr.Nagaraja .S, Joint Organizing Secretaries were present. HODs of various Departments and many staff members and IQAC members graced this occasion. After the Inaugural function the competition was held in three different sessions, Two sessions on 19th Jan and One session on 20th Jan 2021. Throughout the technical sessions, Dr.S.Nagaraja, Joint Organizing Secretary managed the online sessions without giving room for technical problem. Valedictory was held on 19th January 2021. Dr.L.T.Nayak, Co Ordinator, IQAC welcomed the dignitaries. Dr.Smt. A.S.bellad, Principal, Karnatak Science College, Dharwad presided over the function. At the end of this function Results of Competition were announced by Dr.C.G.Patil, Joint Organizing Secretary of this seminar competition. First Prize Rs 10000/-- was bagged by Mr. Christon Gonsalves, III sem, Kittel Science College, Dharwad, Second Prize Rs 5000/-- was bagged by Miss. Sindhu M. Hegede, B.Sc. I sem, SDM College, Honnavara, Uttara Kannada District. Third Prize Rs 2500/-- was bagged by Miss Arpita Bandekar, B.Sc. V Sem, P C Jabin Science College, Hubballi. First, Second and Third cash prize was sponsored by M/s Nikhil Scientific & Surgicals, Dharwad, Shri Anil Khunte, Dharwad and M/s Bhushan Enterprises, Dharwad respectively. Dr.Smt. Nirupama J M compered the whole function and Dr. Smt. R D Sankal,



Member IQAC proposed vote of thanks. All prize winners and few other participants gave feed back at the end. Winners and other participants have been given e - certificates.

**Conduct of Study Tours and Field Trips:** Due to Covid-19 pandemic, Government has banned all the study tours and field trips. However, local field trips were organized for students with the permission of higher authorities by following all the Covid-19 norms.

**The College has submitted the institutional data to AISHE on 15/02/2022 and participated in NIRF and submitted the data [IR-C-C-35555]**

### **Farewell to the outgoing students of B.Sc/BCA /B.Sc ( Cs) and M.Sc**

The institution organized a Farewell Function “NEVER SAY GOODBYE” on 25th September, 2021 in BCA auditorium. The students of B.Sc/BCA /B.Sc ( Cs) second year and M.Sc first year bid farewell to the outgoing students of B.Sc/BCA /B.Sc ( Cs) and M.Sc final year with great enthusiasm. The function began with a floral welcome of Dr. (Smt.) A.S Bellad, Principal, Hods of different Departments, staff members and students. The Light of Lamp was done by the Principal, and all the HOD’s. The Principal wished good luck to the final year students for their future. The final year students shared their experiences and provided inputs second year students to build their careers. Lastly, Alumni membership drive was undertaken. Total 320 students become the alumni membership by paying Rs. 1 as a membership fees. The farewell function was a great success and immemorial.



The activities of the college for the academic year 2020-21 concluded on 25<sup>th</sup> September, 2021, with farewell function.



Principal,  
Karnatak Science College  
Dharwad.