



KARNATAK UNIVERSITY'S
Karnatak Science College, Dharwad

PROSPECTUS 2021-22.

VISION OF KARNATAK SCIENCE COLLEGE, DHARWAD

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

MISSION OF KARNATAK SCIENCE COLLEGE,
DHARWAD

- 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 OF KARNATAK SCIENCE COLLEGE, DHARWAD

- 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.

Administrators



Prof. K. B. Gudasi
Hon'ble Vice-Chancellor
Karnatak University,
Dharwad, Karnataka



Dr. Hanumanthappa K. T.
Registrar,
Karnatak University
Dharwad, Karnataka, India.



Dr. H. Nagaraja
Registrar (Evaluation),
Karnatak University,
Dharwad, Karnataka

Smt. Geeta N. Yeresheemi
Finance Officer,
Karnatak University
Dharwad, Karnataka, India.

MESSAGE FROM THE PRINCIPAL'S DESK



Dr. (Mrs). A. S. Bellad
Principal,
Karnatak Science College, Dharwad, Karnataka

Education plays a key role in the overall development of the society. The role of education is definitely not limited to giving and grasping knowledge and theory. The true goal of education transcends much beyond just awarding a degree and certificate to the students. As Mahatma Gandhi said, “By Education, I mean an all round drawing out of the best in child and man-body, mind and spirit”. The ultimate goal of education is the discovery of the meaning of life and the fulfillment of life and all mankind as well as for oneself. The quest of education is knowledge, humanity, culture, wisdom and sharpness, but it should be noted that knowledge is not given but earned and character is not granted, but cultivated.

Karnatak Science College not only focuses on the theoretical curriculum, but also helps in the development of a student personality, extra-curricular activities and overall perspective. Everything that makes a good institution are – a highly trained

faculty, rich library, teaching methods, liberty to think and express themselves- we have it here. We believe that education is an effective medium of social transformation. We get encouragement, looking at bright and successful careers of our thousands of students, which subsequently benefit the society. We should feel proud that we are part of such an excellent institute, which is shaping modern India. It gives me immense pride to acknowledge the contribution of all the members of teaching and non-teaching staff for various endeavors undertaken by the college. Together we plan to reach richer landmarks in future.

The list of Alumni of our College includes Shri. P. B. Gajendradkar, Former Chief Justice of the Supreme Court of India, Wrangler Dr. D. C. Pavate, Former Governor of Punjab and Padma Bhushan awardee, Late Prof. Dr. M. I. Savadatti, Former Vice-Chancellor of Mangalore University, Padmashri Nandan Nilekani, Former CEO of Infosys Bengaluru, Prof. Dr. A. M. Pathan, Former Vice - Chancellor (VC) of Karnatak University, Dharwad and that of Central University, Gulbarga, Dr. Raman Deshpande, Leading Surgeon in Cancer Research at Mumbai, Dr. R. B. Patil, a well-known physician and Padmashri awardee, Dr. K. M. Koliwad, Former Scientist at NASA in USA, Major General Michigan of Indian Army, Dr. Ravi Surpur IAS, Shri Nanjundaswamy IPS, Shri Jagadeesh Dodamani IFS and Lt. Col. R. S. Desai, among many others.

Hard work, dedication and perseverance are the most important traits in a person that lead to success. The future belongs to you your need, therefore, is to prepare yourself for tan active participation in the world. This participation demands that you become well informed and hence develop yourself like a pioneer and ultimately grow as responsible men and women.

Wishing you all Good Luck!

With Warm Wishes,

PRINCIPAL

Dr. (Smt.) A. S. Bellad

Brief profile of Karnatak Science College, Dharwad

The Karnatak Science College, Dharwad is known in the entire North Karnataka region for liberal education in basic sciences (B.Sc. and M.Sc. courses) as well as some professional courses (BCA and B.Sc. (CS) courses). The institution continues to grow under the watchful eyes of the Karnatak University authorities, who encourage and patronize the improvement of infrastructural facilities and Human Resources in the College in order to enhance academic excellence and social relevance, thereby contributing to the overall personality development of students studying here. The ambience of the Karnatak Science College, which is located in fifty five kilometers of a hilly and green region in the centre of Dharwad City, with different departments and other facilities housed in buildings which are spread out all over the campus, provides the best possible environment for students to succeed in the fields of their interest, whether it is in curricular aspects or extra- curricular activities.

- The college has a huge campus, sprawling over 55 acres of land, with eco-friendly atmosphere. It is centrally located and connected by roads to major parts of Dharwad.



Side views of the UG & PG Department of Chemistry co-existing with the Department of Geology in the main building (Left) and the UG & PG Department of Physics, with UG Electronics and UG Computer Science sections (Right).

- The College has a Governing Council headed by the Honorable Vice-Chancellor (VC) of Karnatak University, Dharwad and its Syndicate members, with three Staff members of the college as its members and the Principal of the College as Secretary. The Governing Council guides and regulates all administrative and academic activities of the College.
- The College has Seven major basic Science departments Viz Physics, Chemistry, Botany, Zoology, Geology, Geography and Forensic Science. It also has a department imparting professional training, namely, the Department of Computer Science and BCA. The Departments of English, Kannada, Hindi, Sanskrit & Yoga Studies, Foreign Languages, Urdu & Persian, Mathematics, Statistics and Anthropology are common to both the Science College and the Arts College.



Views of the Department of Computer Science and BCA (Left) and the Department of Forensic Science (Right), in KCD campus.

- There are around fifty highly qualified and experienced teachers in regular service in the College. Most of the faculty members of the College possess Ph.D. degree and are active in research, which is a major strength of the College, enabling a research culture to be inculcated in students learning here.
- Many students of this College secure distinction marks in the University examinations, and some of them secure a place in the KUD rank list.
- Each Department has its own Study Centre, whose mandate is to enhance the academic knowledge of the students by organizing seminars, symposia, workshops, competitions for students and by arranging invited lectures.
- A thought - provoking College Bulletin board (named Vichar Kranti) provides an opportunity for students to write Scientific articles, poems, compilations and cartoons. A separate Notice Board is provided for this activity.
- The College has research laboratories in most of the departments. Some of the faculty members of the different departments are recognized as Ph.D. guides by the KUD. Many students have successfully obtained their Ph.D. and M.Phil. Degrees working in the college.
- The faculty members of the college are actively involved in implementing research projects funded by agencies like UGC, DST and VGST. In addition to their teaching work, the staff members regularly attend National and international conferences to present their research work. They also publish research articles in reputed journals.
- The College has an active Student Welfare Officer, who takes care of the grievances of the students, in co-ordination with the Principal, Wardens, HODs, NSS and NCC officers. He also helps the students by attesting their documents. He arranges campus interviews and workshops to benefit the students, enabling them to take up competitive examinations and face job interviews.



Photographs of the Dr. V. K. Gokak Central library (Left) and the Health Centre (Right) in KCD campus.

- A Health Centre is present in the College Campus, where students are counseled and treated free of cost. It has a qualified doctor (Health Officer) and a clinical laboratory. Every Monday, a lady doctor visits the Health Centre of the College to give medical aid to ladies. The Health Centre is kept open on all working days, from 8 am up to 12 noon in the morning, and from 4 pm up to 6 pm in the evenings. The College authorities take the help of locally available doctors, including psychiatrists, to counsel the needy students.
- Various facilities are available in the College Campus for the students. These include a Student's Home, a branch of the Canara bank, a Canteen, in addition to an auditorium of international standard called Srijana (donated by Nandan Nilekani). The Canara bank is situated in a Central, easily accessible location in the College Campus. All financial transactions of students like payment of fees and scholarships are handled through the bank. There is ATM facility too.
- The College has two well - furnished Boys Hostels , namely, Krishna and Godaveri, accommodating around 100 boys, in addition to a Girls Hostel named Kaveri (two blocks), accommodating 200 lady students. Students are admitted to the hostels by following the rules framed by the University.

Historical background of the College

The 20th of June 1917 marks an important day in the calendar of education in Northern Karnataka; after strenuous efforts of several years, the birth of Karnatak College in Dharwad occurred on this day. The Karnatak College located at Dharwad in the Northern region of Karnataka is truly a symbol of a spirit and an embodiment of a sentiment. The college has been a fountain of inspiration to a multitude of people in this region, down to this day. The staff and students of this college remember with gratitude the efforts made by the esteemed founders of the college, Late Diwan Bahadur Rodda Shrinivas Rao, Late Rao Bahadur R.C. Artal and Late Shri. M. B. Choubal, who worked heart and soul to establish this prestigious college which came up in 1917. The proposal for Science wing was put up in 1923. The survival of this college is due the efforts of Late Sir Siddappa Kambali, who also was instrumental for the Science departments of the college getting equipped with high quality instruments. The Karnatak College, Dharwad (KCD) was bifurcated in 1937 into Karnatak Arts College, Dharwad (KACD) and Karnatak Science College, Dharwad (KScCD), and the buildings for various subjects of science started sprouting from 1939, whereas the commerce section was added to KACD in 1977.



Picture on the left: The main antique building (left) of Karnatak College Dharwad (KCD), which now houses the Arts College Office, Principal's Chamber of KACD as well as many Lecture Halls. The ground in front of this building has the 400 m athletic track and the ground is used to play cricket, as well as for other sports activities. Picture on the right: Photograph of the side entrance to the Department of Physics, Karnatak Science College, Dharwad which houses the Physics, Computer Science and Electronics Sections of the College. The ground in front of this Physics building is used to play football.

KACD and KScCD share a common campus and many other campus amenities. In fact, the birth of several departments of the Karnatak University, Dharwad (KUD) took place in KCD, before being shifted to a new location, later called Pavatenagar. KUD is the second oldest University in Karnataka, and one of the reputed institutions for higher education in India. KUD started functioning in 1949, with Mr. R. A. Jahagirdar as the first Vice-Chancellor (VC). It was the visionary Late Dr. D. C. Pavate who visualized the role of this University, and during his term as the VC of KUD, he strove to make it one of the best in the country by giving it National and international importance. At present, KUD has forty eight post-graduate departments and more than two hundred and eighty affiliated colleges. Dr. G. S. Paramasivaiah was the first Principal of KScCD. At present, in addition to under-graduate courses in a wide variety of science, professional and applied science subjects, the KScCD also conducts post-graduate (PG) courses in Physics, Chemistry and Mathematics. KScCD, being a constituent college of KUD, is a recognized research centre and many of the faculty members are recognized guides for students pursuing their Ph.D. course. Many students have obtained their Ph.D. degree under the guidance of faculty members working in KScCD. The availability of recognized guides and established research laboratories in KScCD adds value to its faculty profile, as a research culture is inculcated in interested students pursuing the UG and PG courses as well.



Busts in honour of Late Diwan Bahadur Rodda Shrinivas Rao (Left), Late Rao Bahadur R.C. Artal (middle), the founders of Karnatak College, Dharwad along with that of Late Sir Siddappa Kambali (right), who is responsible for the survival of the college and the establishment of Science departments.

NEW EDUCATION POLICY (NEP -2020)

Karnataka is the first State in India to issue an order (on August 7th 2021) for the implementation of the New Education Policy 2020 (NEP 2020) by following the Guidelines stipulated by the Government of India. The Government of India had notified NEP-2020 on July 29, 2020, which is based on Dr. Kasturirangan Committee's Report. The objective is to bridge the gap between the current system of education and what is required in the 21st century. It is to have Holistic and Multidisciplinary UG Education to produce employable graduates with integrated personality. According to the minister for higher education of the Government of Karnataka (GOK), NEP-2020 is to be implemented in Universities and their constituent colleges in Karnataka with effect from the academic year 2020-21.

According to the guidelines released by the GOK for implementing NEP-2020, students joining the B.Sc. Degree courses should opt for two subjects which are available for study in the college, called as Discipline Core (DSC) subjects. However, opting DSC subjects is not necessary for students studying subject based graduate courses like BCA, BBA and BBA. At the start of the third year of the B.Sc. Course, the students can choose one of these subjects (DSC subjects) as MAJOR and the other subject as MINOR. Alternatively, they may opt to study both these subjects as MAJOR. In addition to opting two of the subjects as DSC, the students have to choose Kannada and one more language as language subjects (LS). Also, the students have to choose Open Electives (OE) and Discipline Electives (DSE), as per the curriculum structure (explained later, with table). Discipline Core (DSC) refers to Core Papers in a Subject or Discipline Discipline Elective (DSE) refers to Elective Papers in the core Subject or Discipline. Open Elective (OE) refers to Elective Papers in a non-core Subject across all disciplines. Program Structures also contain Ability Enhancement Compulsory Courses (AECC), Languages, Skill Enhancement Courses (SEC) (Both skills and value based). Pedagogy involves L+T+P model. Generally subjects with practicals involve L+P, while the subjects without practicals involve L+T model. The numbers in parentheses indicate credits allotted to various courses/papers as per definitions of Choice Based Credit System (CBCS). Generally 1 hour of Lecture or 2 hours of practicals per week in a semester is assigned one credit. Generally core subject theory papers will have 3 or 4 credits, while practicals are assigned 2 or 3 credits.

Students are provided with a flexible study curriculum in NEP-2020. They can get entry (admission) to a particular odd semester, before its commencement and can leave at the end of every even semester, after acquiring the necessary credits to get a certificate, diploma or degree. The exit options and details of student progression in NEP-2020 are as follows:

1. If a student discontinues the course (for any reason) after the completion of the first year of graduation which corresponds to the National Skills Qualification Framework (NSQF) level 5 by obtaining the necessary credits, he or she will be given a certificate.

2. If a student discontinues the course (for any reason) after the completion of the second year of graduation which corresponds to the NSQF level 6 by obtaining the necessary credits, he or she will be given a diploma.

3. If a student discontinues the course (for any reason) after the completion of the third year of graduation which corresponds to the NSQF level 7 by obtaining the necessary credits, he or she will be awarded a Bachelors degree.

4. If a student continues the course after the completion of the third year of graduation, in colleges where the four year Honours degree course is available with the chosen optional subjects, and successfully obtains the necessary credits which corresponds to the NSQF level 8, he or she will be given a Honours degree. In case a research project is a part of the course, such Honours Degree holders are eligible to directly pursue Ph.D. studies. The college may offer two extra Elective papers instead of a research project in the fourth year. Alternatively, internship may be offered to the students.

5. Post-graduate (PG) courses will be of one year duration for those who get entry with Honours degree or of two years duration for those who are admitted with Bachelors degree. In case a student pursuing the M.Sc. (PG) Degree and studying in his or her second year discontinues after getting the prescribed credits set for the first year of the PG course, then he or she will be awarded the PG Diploma.

6. Eligible colleges can have integrated M.Sc./PG courses of five years duration, in addition to degrees of three years and Honours degree of duration four years, in which case the student will be awarded a Bachelors degree if he or she opts out after three years after obtaining the necessary credits, and with the Honours degree if he or she opts out after four years of the five year integrated PG course (with the necessary credits, of course).

Abbreviations used in the discussion on NEP-2020:

- 1) DSC: Discipline Core.
- 2) DSE: Discipline Elective.
- 3) OE: Open Elective.
- 4) AECC: Ability Enhancement Compulsory Courses.
- 5) SEC: Skill Enhancement Courses.
- 6) LS: Language Subjects.
- 7) DSCC: Discipline Specific Core Course

Highlights of NEP-2020:

NEP-2020 intends to overhaul the existing education system in India completely by implementing several reforms. Some of the salient features of NEP-2020 are as follows.

1. A single regulator will oversee higher education.
2. No more M.Phil. Courses before Ph.D.

3. Fixed fees for both public and private institutions.
4. Multiple entry and exit points in degree courses.
5. Inclusion of vocational education in higher education.
6. M.Sc. Degree is not needed for admission to Ph.D., provided the student completes B.Sc. Honours (B.Sc. (Hons.)) degree with a research component (research project).
7. The Four Years Under Graduate Programme is a Choice Based Credit System under Semester Scheme. The programmes comprise of about 50% Discipline Specific Core Courses as Major subjects, 20% Discipline Specific Core Courses / Multi-Discipline Specific Courses as Minor courses, and remaining 30% Ability Enhancement Compulsory Courses, Skill Enhancement Courses along with Open Elective Courses.
8. The relative importance of Courses of the study is measured in terms of credits. The programme permits horizontal mobility in course selections and vertical growth in the core courses.
9. The students shall take part in value-based activities.
10. The declaration of result is based on Aggregate Percentage of marks obtained and Cumulative Grade Point Average (CGPA) earned.
11. There is a provision to transfer the credits earned by the candidate during transfer from one institution to other.
12. The programme permits the consideration of credits earned from SWAYAM and other platforms recognized by the University.
13. The Programme has special provisions for independent learners to earn additional credits from inter / intra - disciplinary subjects apart from mandatory credits.

Excerpts from KUD regulations for NEP-2020

SEMESTER SYSTEM, DURATION OF THE PROGRAMMES, REQUIREMENTS AND OPTIONS:

- All the under graduate degree programmes shall have eight semesters duration unless specified otherwise.
- Each academic year shall have two semesters; odd and even semesters. Each semester shall have 16 weeks (06 days per week system) with 90 working days (excluding Sundays and other holidays).
- The Programme shall have multiple exit option at the end of TWO/FOUR/SIX semesters (ONE, TWO or THREE academic years respectively) with the award of Certificate, Diploma and General Degree.
- The candidate availing exit option shall reenter the programme at the beginning of any academic year to complete the degree with the prevailing syllabi.
- All candidates shall be awarded Bachelor's degree with Honors on successful completion of EIGHT semesters (FOUR academic years) undergraduate programme.

PROGRAMME STRUCTURE

Each programme shall have three components, Viz., i) Discipline Specific Core Courses (DSCC) ii) Elective Courses (EC) and iii) Ability Enhancement Courses (AEC).

A) **Discipline Specific Core Courses (DSCC)**: DSCC are Compulsory Core Courses of the programme.

- a. Students of B.A. and B.Sc. shall choose any two DSCC from 1 to 4 semesters.

- b. Among such two DSCCs, the student shall select one DSCC as Major and other as Minor course in 5th and 6th semesters. DSCC other than the discipline of the programme shall be considered as Minor and the DSCC belonging to the concerned discipline shall be considered as the Major course. Some of the courses are allowed as Minor courses only.
- c. The student shall continue to study the previously opted Major course in 7th and 8th semesters.
- d. Once the DSCC is chosen, there shall not be any provision for change of DSCC.
- e. For other programmes, Board of Studies (BOS) of the respective programmes shall decide the DSCCs.

B) **Elective Courses (EC):** Elective Courses shall have three categories, viz., Discipline Specific Core Elective (DSE) Courses, Open Elective Course (OEC) and Dissertation/ Research Project.

- **Discipline Specific Core Elective (DSE):** Elective courses offered under the core discipline of the study are Discipline Specific Core Elective (DSE).
- **Open Elective Course (OEC):** An elective course chosen from any other discipline/subject, with an intention to seek exposure beyond core discipline is called Open Elective Course in all the programmes. The student shall select any one OEC in the given semester, other than his / her DSCC across the discipline
- **Dissertation / Research Project:** An elective course designed to acquire special / advanced knowledge, such as supplement study / support study to a project work, and a candidate shall study such a course on his / her own, with an advisory support of a teacher / faculty member is called Dissertation / Research project.

C) **Ability Enhancement Courses (AEC):** The Ability Enhancement Courses (AEC) shall be of two kinds: i) Ability Enhancement Compulsory Courses (AECC) and ii) Skill Enhancement Courses (SEC).

i. **Ability Enhancement Compulsory Courses (AECC):** Environmental Study, Indian Constitution, English and Modern Indian languages (MIL) / Modern European Language Communications (MEL) are AECCs. Environmental Study and Indian Constitution are mandatory. A Student shall study Kannada as First Language and any one of MIL/MEL as second language. A simple Kannada Syllabus shall be prescribed for non-Kannadigas or those who have not studied Kannada at PUC / 10+2 Level.

P. S.: 1) A deaf/spastic/mentally retarded/visually impaired/learning deficiency student shall be exempted from learning any one of the languages like English or MIL. 2) MIL means the languages mentioned in VIII Schedule of the Constitution of India.

ii. **Skill Enhancement Courses (SEC):** These courses shall be chosen from a pool of courses designed to provide value-based and skill-based knowledge and should contain lab/hands-on training/ fieldwork.

Special provision for independent learners: Apart from the above mentioned structure of the programme, a student can study any number of courses from Open Elective Courses (OEC) / SEC. The student shall have an option to study any number of courses from OEC from SWAYAM or similar platforms recognized by the University.

Credit system of the programme:

Each course shall have two components i) Lecturing (L) and ii) Tutorial (T)/ Practical (P). Tutorial consists of participatory discussions, seminar presentations, desk work, etc. by the students of the respective courses. P.S: There shall be no tutorial for Practical subjects and the courses having 2 credits.

Each programme shall have 176 credits. Credit means the unit by which a course is measured. a) 1 hour lecture or 1 hour tutorial per week is equal to 1 credit and that of 2 hours practical is equal to 1 credit. Tutorial is not mandatory for all the courses. However, the concerned BOS shall decide the necessity for any Course. b) Courses with 3 to 6 credits shall be evaluated for 100 marks and courses with less than 3 credits, including practical, shall be evaluated for 50 marks.

ELIGIBILITY:

A candidate who has passed two-year Pre-University Course (PUC) Examination conducted by Pre-University Education Board, Government of Karnataka, or 10+2 Examination conducted by CBSE or equivalent examinations by any Other State or any other recognized Board / Department shall be eligible for admission to First Semester U.G. Programme.

a) For **B.Sc. Programmes**, a candidate who has passed PUC / 10+2 with Science or Diploma in Paramedical Courses (not less than 2-year duration) shall be eligible for admission.

i. A candidate opting life science subjects like Botany, Zoology, Biotechnology, Genetics, Microbiology, Anthropology, Psychology, Home Science etc, as DSCC in the B.Sc. Programme must have studied Physics, Chemistry and Biology as prerequisite subjects at the qualifying examination.

ii. A candidate opting subjects like Physics, Chemistry and Mathematics as DSCC must have studied Physics, Chemistry and Mathematics as prerequisite subjects at the qualifying examination.

iii. A candidate opting Statistics as DSCC for B.Sc. degree must have studied Statistics or Mathematics as prerequisite subject at the qualifying examination.

iv. A candidate opting subjects like Geology and Forensic Science as DSCC must have studied at least two science subjects as prerequisite subjects at the qualifying examination.

v. A student of Diploma in Paramedical Course is eligible for Chemistry and any other Life Science subjects as DSCC.

vi. For other B.Sc. degree programmes such conditions shall not apply.

b) For **B.C.A. Programme**, a candidate with PUC/10+2 Science or Commerce with Mathematics / Business Mathematics / Accountancy / Computer Science or 3-year Diploma with Computer Science / Information Science or 2-year JOC / ITI with Computer Science, shall be eligible.

Admission Eligibility for Second and Subsequent Semesters: a) All U G. Programmes shall have carryover system up to 6th semester. The admission conditions are:

i. 75% attendance shall be mandatory for each semester and for each course to appear for semester-end examination. Further, 20% attendance shall be condoned for the students participating/involved in Co-curricular/Extra-Curricular activities like NCC/NSS/Sports/Cultural Activities/Study Tours/Field Work/Seminars etc., with prior permission of the Principal of the College in writing.

ii. Candidates with 75% attendance but failing to appear for semester-end examination shall also be eligible to seek the admission for immediate higher semester.

iii. Mere submission of application by the candidate to appear for examination without 75% attendance shall not be eligible for higher semester.

iv. Candidates not submitting examination application forms but maintaining 75% attendance shall not be eligible for admission to higher semester.

- v. If the candidate appears for II semester end examination and discontinued for III semester and wishes to take admission for IV semester in future, such candidates shall not be allowed for IV semester. Such candidate shall again seek admission to III semester as per University schedule. This is also applicable to other odd semesters.
- vi. A candidate who does not satisfy the requirement of 75% attendance even in one Course (subject/paper) shall not be permitted to take the University examination of that semester and he/she shall seek re-admission to that Semester in a subsequent year as per University schedule.

Eligibility for admission to Bachelor's Degree (Honors):

A candidate seeking admission to a Bachelor's degree (Honors) in a specified field of learning shall have passed the relevant three-year bachelor's degree with minimum CGPA of 7.5 is eligible to continue the fourth year undergraduate programme.

- vii. A candidate can seek admission to the 7th Semester in any College running Honors Programme subject to the availability of intake capacity of such Major Courses in the College.
- viii. There shall be a provision for carryover system from 7th to 8th semester, subject to the fulfillment of 75% attendance in each Course and submitting the examination application form.

The Degree of 3 or 4 years shall be awarded from the University where the candidate has earned a minimum 50% of the credits prescribed for the programme.

Medium of instruction:

The medium of instruction shall be Kannada/English as decided by the concerned BOS. However, the candidate can write the examination either in English or Kannada.

Change of Programme:

Every U. G. Programme is specific in nature and hence, there shall not be any provision to change the programme.

Change of subject / DSCC:

- a) The MIL/MEL subject studied by the Students in I semester shall be the same for all other semesters as per programme structure.
- b) The DSCC chosen for I semester for B.A. and B.Sc. shall remain same for all other semesters as per programme structure and hence, there shall not be any provision to change the DSCC.

Change of College/Transfer:

- a) Candidate shall be permitted for change of college only for the odd semesters by seeking admission within the stipulated period mentioned in the admission notification with the due consent from both the colleges. There shall not be any provision for transfer/change of college for even semesters. Further, lower semester examination failure/MPC candidates are not eligible for transfer/change of college within the Karnatak University's affiliated colleges.
- b) The same shall be applicable for the candidate seeking transfer from the colleges of other University within or outside the state or country by producing the eligibility certificate issued by Karnatak University with the confirmation of similarity of the programmes with each other. Other conditions shall be same as in (a).

c) Such transfer of admission shall be within the intake capacity of the respective class/ subject of the respective College.

Examination

The prescribed courses of 3 to 6 credits shall be evaluated for 100 marks and that of less than 3 credits, including practical, shall be evaluated for 50 marks. The project work / dissertation shall have 6 credits and be evaluated for 100 marks.

There shall be a **continuous assessment** of the student. For this purpose, semester examination is divided into two components: **i. Internal assessment** - written examinations conducted by the College for 20% of maximum marks (which is subject to changes: may be modified to 30%, for example) allotted for each Course.

ii. Semester-end written examination conducted by University after 16th week of the commencement of semester for 80% of the maximum marks (which is subject to changes: may be modified to 70%, for example) allotted for each Course.

Internal assessment (IA) examinations:

i. Theory Papers: The College shall conduct IA examination for theory subjects in the 8th week for 10% and 12th week for remaining 10% of maximum marks (which is subject to changes: may be modified) allotted for each Course. Duration of examination shall be 1 hour each.

ii. Practical: The College shall conduct IA examination for practical paper in the 14th week for 20% of maximum marks allotted for each Course (which is subject to changes: may be modified). Duration of examination shall be 3 hours.

iii. Project work /dissertation: The College shall conduct written IA examination for Project work /dissertation in the 14th week for 20% of maximum marks (which is subject to changes: may be modified) allotted for each Project work /dissertation. Duration of examination shall be 1 hour.

iv. The Course teacher shall display the marks on notice board within 4 days after IA examination and allow the student for verification of IA Booklet if he/she wishes. Grievances shall be solved by the Course teacher and in complicated cases by the Principal/ representative of Principal as per internal mechanism of the College.

v. There shall not be any provision for improvement of IA marks or for remaining absent. However, IA exam shall be conducted for students who remained absent due to participation in the events related to co curricular / curricular activities conducted by recognized organizations.

vi. The College shall submit the IA marks to the University if student satisfies 75% attendance in the semester and shall be eligible to appear for semester-end examination.

Semester-end examination:

The semester-end examination, for 80% (which is subject to changes: may be modified) of maximum marks allotted for each paper, shall be conducted by the University after 16th week of the commencement of the semester. The University shall conduct the semester-end examination for either odd or even semesters but not both simultaneously, unless otherwise specified.

i. Duration of theory examination shall be 03 hours for 100 marks per Course (including IA marks) having 3 to 6 credits.

ii. Duration of theory examination shall be 1.5 hours for 50 marks Course (including IA marks) having the credits of less than 3.

- iii. Duration of practical examination shall be 3 hours for 50 marks Course (including IA marks) having the credits of less than 3.
- iv. Each BOS, in consultation with the concerned Faculty, shall decide the pattern of question paper for uniformity for all the core courses and elective courses.
- v. Question papers shall be prepared by a team of members of respective Board of Examiners (BoE).
- vi. Concerned BoE shall decide the scheme of valuation of both theory and practical courses.
- vii. There shall be a single valuation for theory papers from the members of concerned BoE under the supervision of moderator who is in turn under the supervision of Chairman of BoE.
- viii. Practical/evaluation of project/dissertation work/Field Work assessment shall be conducted before the commencement of theory examination at the concerned colleges by two examiners; one from the same college as internal examiner and other from other colleges appointed by University as external examiner. There may be two external examiners but not two internal examiners to conduct the examination. A pair of examiners shall conduct practical examinations for two batches per day having a maximum of 12 students in each batch.

Passing criteria:

- a) A candidate has to score 40% in each course including the IA marks for passing the course, subject to the condition that:
 - i. There shall be no minimum marks or separate passing for the IA examination. The candidate has to score minimum 40% in the semester-end examination (Ex. for 100 marks paper; 20 IA + 80 semester-end exam and hence, minimum 32 marks for semester-end exam required). If candidate scores 40% by cumulating marks from IA and semester-end examination but fails to score 40% from the semester-end examination, such candidate shall be declared as fail.
 - ii. If the course is having both theory and practical, candidate has to pass both theory and practical independently. If the candidate fails in practical and passes in theory examination, such candidate shall reappear for practical examination only and vice versa.
 - iii. In all cases of failure in particular course, IA marks shall be protected and carried forward; and the candidate need not reappear for IA examinations in such cases.
- b) On successful scoring of minimum 40% in all courses, the candidate shall be declared pass in the programme in that semester.
- c) On successful scoring of minimum 40% in all courses and all the semesters, the candidate shall be declared pass in the entire programme.

In view of the NEP regulations adopted by the KUD, the following subject (DSCC) combinations are offered at K.Sc.C.D, with effect from 2021-22. Note that the symbol * indicates that the course is allowed as DSCC only for MINOR at the sixth and seventh semesters of the B.Sc. Course.

Sl. No.	DSCC (Subject 1) : MAJOR	DSCC (Subject 2): MAJOR/MINOR
1	PHYSICS	CHEMISTRY
2	PHYSICS	COMPUTER SCIENCE
3	PHYSICS	ELECTRONICS

4	PHYSICS	MATHEMATICS
5	PHYSICS	ZOOLOGY
6	PHYSICS	STATISTICS
7	PHYSICS	GEOLOGY
8	PHYSICS	GENETICS
9	PHYSICS	MICROBIOLOGY
10	PHYSICS	BIOTECHNOLOGY
11	PHYSICS	*FORENSIC SCIENCE
12	BOTANY	CHEMISTRY
13	BOTANY	COMPUTER SCIENCE
14	BOTANY	ELECTRONICS
15	BOTANY	MATHEMATICS
16	BOTANY	ZOOLOGY
17	BOTANY	STATISTICS
18	BOTANY	GEOLOGY
19	BOTANY	MICROBIOLOGY
20	BOTANY	BIOTECHNOLOGY
21	BOTANY	*FORENSIC SCIENCE
22	BOTANY	*INDUSTRIAL FISH & FISHERIES
23	BOTANY	*PSYCHOLOGY
24	BOTANY	*ANTHROPOLOGY
25	BOTANY	*GEOGRAPHY
26	BOTANY	*ECONOMICS
27	CHEMISTRY	MATHEMATICS
28	CHEMISTRY	ZOOLOGY
29	CHEMISTRY	*GEOGRAPHY
30	CHEMISTRY	GEOLOGY
31	CHEMISTRY	GENETICS
32	CHEMISTRY	MICROBIOLOGY
33	CHEMISTRY	BIOTECHNOLOGY
34	CHEMISTRY	*FORENSIC SCIENCE
35	CHEMISTRY	*INDUSTRIAL FISH & FISHERIES
36	ELECTRONICS	MATHEMATICS
37	ELECTRONICS	STATISTICS
38	ELECTRONICS	GEOLOGY
39	ELECTRONICS	*FORENSIC SCIENCE
40	COMPUTER SCIENCE	MATHEMATICS
41	COMPUTER SCIENCE	*GEOGRAPHY
42	COMPUTER SCIENCE	STATISTICS
43	COMPUTER SCIENCE	GEOLOGY
44	COMPUTER SCIENCE	GENETICS
45	COMPUTER SCIENCE	MICROBIOLOGY
46	COMPUTER SCIENCE	BIOTECHNOLOGY
47	MATHEMATICS	STATISTICS
48	MATHEMATICS	GEOLOGY
49	MATHEMATICS	GENETICS
50	ZOOLOGY	GEOLOGY
51	ZOOLOGY	GENETICS

52	ZOOLOGY	MICROBIOLOGY
53	ZOOLOGY	BIOTECHNOLOGY
54	ZOOLOGY	*INDUSTRIAL FISH & FISHERIES
55	ZOOLOGY	*FORENSIC SCIENCE
56	ZOOLOGY	*PSYCHOLOGY
57	ZOOLOGY	*ANTHROPOLOGY
58	ZOOLOGY	*ECONOMICS
59	*GEOGRAPHY	STATISTICS
60	*GEOGRAPHY	GEOLOGY
61	*GEOGRAPHY	GENETICS
62	*GEOGRAPHY	MICROBIOLOGY
63	*GEOGRAPHY	BIOTECHNOLOGY

GENERAL INSTRUCTIONS TO STUDENTS

- Students are informed to submit the fees remittance challan to the admission committee on the day of remittance of fees into the bank, failing which their admission in the college is not confirmed.
- The students are required to bring their identity cards and hall tickets at the time of all tests and examinations.
- The students should retain their identity cards with them in the college campus. Presentation of the identity card is essential for obtaining certificates, scholarship amount, caution money, etc.
- If the student loses his / her identity card, he/she has to apply for the issue of a duplicate identity card by paying a fee of Rs. 50/- and explaining the circumstances of the loss of identity card.
- The students who are required to participate in the activities of the college such as debates, exhibitions, sports, meetings, NCC, NSS activities and other extra-curricular activities are required to submit an application through the concerned staff and get prior permission from the Principal for condoning their absence for classes.
- The students are required to attend all tests, seminars, practicals and theory examinations to be conducted by the college. If the student remains absent without valid reasons and without obtaining the prior permission of the Principal they will be liable for fine and disciplinary action.
- If the students are likely to remain absent due to unavoidable circumstances, they are informed to submit an application duly endorsed by their parents/guardians explaining the causes. Medical certificates should be submitted at the time of illness and not after recovery.
- All applications for fee concessions, Scholarships, free ships. prizes etc. should be submitted with necessary documents such as caste certificates, income certificates, affidavits, true copies of marks card, etc. before the last day fixed for the admission process (which will be announced in advance). If the applications with necessary documents are received late, such applications will not be forwarded and the concerned students are liable for payment of all fees due to the college. No excuse will be entertained in this regard.
- All the extra-curricular activities such as sports, debates, general functions, etc will be conducted by the Study Circles, Science Association, NCC. NSS, SWO and other associations and Gymkhana Departments. These bodies would be meeting

periodically to chalk out the programs. The students are required to send their suggestions through the student representatives or the members of staff so that functions will be meaningful and useful to the students.

- The curricular activities such as seminars, symposia, lectures by experts among many other such activities will be organized through the subject Study Circles, which cater to the needs of respective students.
- Chief Editor will look after the College Miscellany. The students are informed to contribute articles on science and General Topics. They are also requested to send their suggestions for the improvement of the Miscellany directly to the Editor.
- Student representatives will be nominated by the committee constituted by the Principal. There will be no Election to the College Gymkhana Departments and Academic Associations.
- Students are informed not to move in the corridor and disturb other classes. If they do not have classes they are advised to be either in the Library or in the Student's Home.
- The students are informed to maintain perfect discipline in the College campus.
- The students are advised to be in constant touch with the Students Welfare Officer/other members of staff for any of their difficulties.
- The students are advised to co-operate with college authorities in maintaining the college campus clean and green.
- The students are required to participate actively in all activities of the college.
- The students must obtain the prior permission of the Principal before publishing and supplying information to the press or any other agency in connection with the college. Failure to do so will attract disciplinary action against them.

SCHOLARSHIPS AND PRIZES

Every year, students are awarded the following scholarships and prizes by the college.

- Category - 2A, 2B, 3A, 3B Scholarships.
- SC/ST Scholarships.
- Rural Scholarships.
- Scholarships for Physically Handicapped.
- National Merit Scholarships.
- Sanskrit Scholarship
- Urdu Scholarship
- Scholarships for ex-servicemen
- Goud Saraswat Brahmin Scholarships.
- Lingayat Students Scholarships.
- Nijalingappa Nidhi Scholarships.
- College Open Merit Scholarships: 10 scholarships for each class.
- Karnatak College Golden Jubilee Prize.
- Sir Siddappa Kambali Prize
- Karnatak College Platinum Jubilee Cash Prize
- Dr. G. V. Joshi Cash Prize
- Dr. M. M. Joshi Cash Prize.
- Smt. Sheriffa Begum Nawab Cash Prize
- Smt. Kamala Balekundri Cash Prize.
- Prof. (Smt.) Vidya Sapre Choudari Prize
- Lt. Col. R. S. Desai Cash Prize
- Smt. Gangubhai Desai Cash Prize
- Botany Teachers Cash Prize

- Late Shri Parasuram F. Kolkar Cash Prize.

The details about these Scholarships, including application forms and other information will be available in the College Office.

Alumni Association

There is an Alumni Association in the College. All the past students of the College are the members of this association. All the students, after completing their studies in this College are required to fill up the enrollment forms of the Alumni Association and submit them in the office.

The executive committee of the Alumni Association meets frequently in order to prepare a programme of its planned activities, in addition to offer assistance for the development of the college and suggestions for improvement. All matters of interest related to things that are useful to the college are discussed in the Alumni meetings.

The General Body (GB) meeting of the Alumni Association is held once, every year or sometimes twice in a year; the dates, venue and timing of such meetings are published in the local newspapers. All the past students of Karnatak Science College, Dharwad are requested to attend the GB meeting and offer their constructive suggestions for the development of the College.

SCHEME OF EXAMINATION (FOR OLD/ CBCS SCHEME)

There shall be an examination conducted by the University at the end of each semester. For the odd semesters it will be in the month of November/December and for the even semesters it will be in the month of April/May as notified by the University from time to time.

The candidates who fall in any odd or even semester and also who intend to improve the performance shall appear for the respective examination only when such odd or even semester exams are conducted in the subsequent academic years.

Marks for the Theory and Theory Internal Assessment Test for the each paper shall be 80 and 20, respectively. In case of practical and Lab Internal Assessment Test marks shall be 40 and 10, respectively. Duration for the examination of theory papers and practicals shall be 3 hours and 4 hours, respectively.

Practical examinations in different subjects shall be conducted by the University at the end of each semester. The candidate shall submit the record book for practical examination duly certified by the course teacher and the H.O.D./Staff in charge. Practical examination includes viva, evaluation of lab records, reports of field work, study tour, Project work etc.

Each paper of 100 marks shall carry 20 marks as Internal Assessment(IA). Out of the 20 marks, 10 shall be internal test and remaining 10 shall be for assignments/class records/skill development. In each paper two tests for one hour each shall be conducted for the award of IA marks for a maximum of 20 marks reduced to 10 marks later.

First test shall be conducted in 8th week and second test in 12th week of the respective semester. The average marks obtained in the two tests for 10 marks shall be taken as final Internal Assessment marks for the test component. The award of IA marks for assignments/class records/skill development shall be based on the submission of the same by the candidates duly certified by the concerned teacher. IA marks shall be displayed on the notice board one-week prior to the commencement of semester end examination. There shall be no provision for improvement of IA marks.

Practical examination paper of 50 marks shall carry 10 marks as Internal Assessment. Practical test will be conducted at the end of each semester by the college carrying 10 marks.

A candidate shall be declared to have passed a semester end examination only if he/she obtains not less than 40% marks (32 marks out of 80 for theory and 16 marks out of 40 for practicals) in the semester end examination for the theory examination shall have appear for practical only and vice versa.

A candidate who fails in any paper under Group I, II and III shall take the examination only in the failed papers at any specific examination within the period of six years from the date of registration to the semester I.

Percentage of marks for declaring class is based on the aggregate marks obtained in the optional subjects in all the six semesters. For Distinction-70% and above. For First class- 60% and above but less than 70%. For Second class 50% and above but less than 60%. For Pass class 40% and above but less than 50%.

Only those candidates who have studied and completed all the VI semester in the first attempt itself within the stipulated period of 3 years in Karnatak University, shall be eligible for ranking provided they score 60% and above marks.

The students, who intending to improve his/her performance in one or all paper of the respective semester after the declaration of said semester is allowed to do so, subject to the payment of fees as stipulated by the University, and only at the time when the examination such semester conducted next time. Such students may improve their performance in the desired papers along with the papers in which they have failed, as per existing syllabus prevailing at the time of examination of the respective semester.

The students are not eligible for applying for the improvement of their results in respect of internal assignments, practical, project reports, viva, field work etc. if any. The student who applies for improvement shall not be eligible for the award of any rank, prize gold medal on improvement of his/her performance. The students allowed to apply for improvement of his/her results only once in any semester, in respect of any or all papers.

Application for improvement shall be submitted by the students through the principal of the college to the Registrar Evaluation along with prescribed fees and the necessary documents on or before the last date prescribed.

UG and PG DEPARTMENT OF CHEMISTRY

Chemistry is a universal and dynamic subject. The importance of Chemistry is that it serves as the interface to practically all the other life sciences as well as physical sciences, and also to many other areas of human health and organism's endeavors. For this reason, chemical science is often said to be the "central science". The emerging trend in chemical research is the synthesis of products or chemicals and involving technologies that are environmentally friendly, which is a great achievement of contemporary researchers in chemical sciences, as in some cases it helps to sustain the environment.

Faculty Members (Department of Chemistry):

Dr. Manjali S.Salunke (HOD)- Associate Professor
Dr.S.D.Dhumwad- Associate Professor
Dr.S.M.Tuwar- Associate Professor
Dr.V.A.Aminbhavi- Associate Professor
Dr.O.Kotresh- Associate Professor
Dr.R.G.Kalkhambkar- Assistant Professor
Dr. Jayalakshmi K.- Assistant Professor
Dr.Kariyappa S.Katagi- Assistant Professor
Dr.Saraswati Masti- Associate Professor
Dr.S.K.Rajappa- Assistant Professor

Non-teaching staff:

Shri R.R.Itkar O.S. (Lab and Stores)
Shri. M.A Agadi(Sr.Lab Asst.)



Picture on Left: The main building in Karnatak Science College Dharwad (K.Sc.C.D) which houses the Principal's chamber of K.Sc.C.D, the Science College Office as well as the Departments of Chemistry and Geology, in addition to the Statistics Lecture Hall. In the picture on Right: HOD of Chemistry, Dr. Manjalee S. Salunke and technical staff with students in the Chemistry laboratory.

The Department of Chemistry, which is one of the vibrant departments of Karnatak Science College, Dharwad was established in 1924. At the beginning, under the leadership of eminent chemists Prof. Alim Chandani and Prof. K.S.Nargund, the department grew to greater heights. Since then, it has trodden the path of more than nine decades. The department is enriched with ten scholarly permanent teachers with doctoral degree and 16 teaching assistants. The department has well equipped laboratories and an independent library, the latter with more than 5100 books and equipped with ICT facility serves about 80 students pursuing their Post graduate degree in Chemistry, 600 students studying in the undergraduate (B.Sc.) course and 25 students under Ph.D. program. A few under graduate students of the department have undergone training in National and International reputed institutions like JNCASR, IITs and NCL.

Majority of the faculty members are recognized as Research Guides by the Karnatak University, Dharwad. The department possesses basic research amenities, including several sophisticated instruments required for research activities. The Department of Chemistry at KScCD is rated as one of the best for its teaching and research activities. The department has received funds for implementing various research projects, by funding agencies like VGST, UGC, DST, and SERB. In addition to research projects, some of the faculty members have received awards for best publications from VGST

(Govt. of Karnataka) and young scientist awards from Indian chemical society and other reputed organizations. As on date, the faculty members of this department have published more than 300 research papers in highly reputed journals of good impact factor (up to 9), and 18 students have completed their Ph.D. degree from KUD under the supervision of the faculty members of the Department of Chemistry, K.Sc.C.D.



(Left) Students in Chemistry laboratory, K.Sc.C.D. In the photograph on the right, Dr. S. K. Rajappa, Asst. Professor, Department of Chemistry demonstrating a reaction to attentive students in the Inorganic Chemistry laboratory.



Students busy performing chemistry experiments in the UG laboratory B under close supervision of Dr. (Smt.) M.S. Salunke and technical staff. In the photograph on the right, general instructions to are provided to B.Sc. Students in the UG Chemistry (Laboratory A) by Dr. S. D. Dhumwad, Associate Professor of Chemistry, K.Sc.C.D



(Left:) Students being given lab instructions by Dr.R.G.Kalkhambkar in the Organic Chemistry laboratory of the Department of Chemistry, K.Sc.C.D. In the photograph on the right, the students pose for the camera, with their teacher, Dr.S.M.Tuwar, Associate Professor of Chemistry, in the. Physical Chemistry laboratory of K.Sc.C. D.

The PG course (M.Sc.) in General Chemistry is also functioning in the Department from the year 2009. In addition, the department also runs a Biotechnology division, starting from 2002.

The department has additional activities under the banner of Madam Curie study circle, in which students will get an opportunity to visit chemical industries which are highly relevant in day to day life, viz., sugar industry, Paper industry, Nuclear power plant (Kaiga). This helps students to get necessary exposure to the industry environment as well as to corporate life, to consider the option of becoming independent entrepreneurs. The students get a chance to involve in extracurricular activities, such as exhibitions, seminars, quiz programs, debates and essay writing; they also interact with eminent scientists from various institutes through programmes conducted under the banner of the Madam Curie study circle.



Picture on the left: Dr. Jayalakshmi, Coordinator of the Department of Biotechnology and Assistant Professor and Coordinator of Biotechnology section of the Department of Chemistry, K.Sc.C.D giving instructions to students in the laboratory. Picture on the right: Students engaged in practical work in the Chemistry laboratory.

Teachers and students also conduct scientific awareness programs in the nearby villages and also arrange educational programs for high school and primary school children.

M.Sc. (General Chemistry) at K.Sc.C.D

Profile of P.G Chemistry

The post Graduate course was established in the year 2009 under the able leadership of the then Vice chancellor Dr S.K Saidapur. This is the first P.G centre in the Northern part of Karnataka. The course was introduced with Organic Chemistry specialization and later, in the year 2011-12 it was converted to General Chemistry. In the last decade, the PG department of Chemistry has grown with its academic power providing quality education to students coming from various parts of the Country and also has been instrumental in providing employment to various candidates, both in teaching and non teaching (technical) area. The P.G department has independent three well established laboratories functioning for Inorganic, Organic, Physical and Analytical chemistry experiments. The department faculty is thoroughly engaged in training the students to not only meet their P.G curriculum, but also train the final year students for the campus placements. The PG department in Chemistry aims for giving knowledge to all the students to achieve excellence. Further, it aims to develop collaboration with various industries as well as National and International Research Organizations for the overall development of the students.



Students performing practicals in the PG Chemistry laboratories; Left: Organic Chemistry Laboratory and Right: Inorganic Chemistry Laboratory of M.Sc. (General Chemistry) division of the Department of Chemistry, Karnatak Science College, Dharwad.



Left: Demonstration of chemical reactions in Chemistry laboratory. Right: Students showing the results of their practical work for consent of the teacher in the Physical Chemistry laboratory for M.Sc. (Chemistry) division of the Department of Chemistry, Karnatak Science College, Dharwad.



Picture on Left: Faculty members, teaching assistants and non-teaching staff in the Department of Chemistry, K.Sc.C.D. Seated (L-R): Shri R.R.Itkar O.S. (Lab and Stores), Dr.R.G.Kalkhambkar, Dr.S.K.Rajappa, Dr.Kariyappa S.Katagi, Dr.S.D.Dumwad, Dr. Manjali S. Salunke (HOD), Dr.V.A.Aminbhavi, Dr.O.Kotresh, Dr.Saraswati Masti, Dr.K.Jayalakshmi and Shri. M.A Agadi (Sr.Lab Asst.). Picture on Right: Dr. Smt. M. S. Salunke, Associate Professor and H.O.D, Department of Chemistry, K.Sc.C.D

Research Profile of the Department of Chemistry, K.Sc.C.D

Among the various departments in the faculty of sciences, the department of chemistry which is established in 1924 is one of the most active departments in research; it has good reputation as the center of academic and research activities in the college. The active involvement of the faculty in research activities is well evident from receipt of grants from various funding agencies like VGST, UGC, DST, and SERB. As an outcome, there is evidence of over 200 research publications in highly reputed journals of good impact factor. In addition, the department has conducted many national and international conferences and workshops to discuss and learn about latest advancements and novel approaches in all the branches of chemistry. For example, in order to discuss the issues and accomplishments in the field of Chemistry a Two-Days International webinar with a main theme of “Recent Innovations in Chemical Sciences” (IWRICS-2020) was organized on 4th and 6th December 2020, with Dr. R. G. Kalkhambkar as the Organising Secretary and Dr. (Smt.) M. S. Salunke as the Convener. This webinar was organized with six sub-themes and seven scientific sessions gathering the world class experts both from academic and industry, in addition to young research scholars across the globe.

For further details, contact: Dr. (Smt.) M. S. Salunke, Associate Professor and H.O.D, Department of Chemistry, K.Sc.C.D

DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology was started in the year 2002 as a division of the department of Chemistry in KScCD. Biotechnology is a subject which deals with the technologies applied to biology, molecular biology, genetics and many other sub-fields of biology. Biotechnology utilizes cellular and bio-molecular processes to create technologies and products that help to improve our lives and the nature. In homes, we prepare useful food, such as bread and cheese, and preserve dairy products. Recent biotechnology develops breakthrough products and technologies to fight diseases, reduce our environmental harm (carbon footprint), feed the hungry, use less and cleaner energy, and have safer, cleaner and more efficient industrial manufacturing processes. The Biotechnology section is sheltered within the Chemistry building, with well equipped laboratory, classroom and library. It is evolving in strength and facilities day by day to reach the requirements of young minds. The department of Biotechnology was started with an initial admission of 22 students; at present, the department has 90 students who are pursuing their Bachelor’s degree. The department caters to the needs of the students by organizing regular lectures and conferences by eminent personalities; also, as a part of the curriculum, the department of Biotechnology organizes industrial visits to research institutes and industries, for enriching the academic knowledge of students. The department has produced good number of students who have achieved greater heights in their research field, during their doctorate and post doctoral studies in India and abroad.

The department of Biotechnology has taken special care to develop a library in which several books and volumes are added every year. Students make use of these books regularly, which is issued for home study at their convenience, in the departmental library. The department has its own well equipped laboratory for students to enhance their practical knowledge under the supervision of the respective teachers. The equipment which are present in the department of Biotechnology includes Cooling Centrifuge with Rotary Head, Photo-electric Colorimeter, Advanced Microscopes,

Binocular Microscopes, Electrophoresis Kit, Rotary Shaker, Laminar Air Flow, Autoclave, Incubator, Refrigerator, Tissue Culture Rack and Hot Air Oven.



Picture on the left: Students engaged in practicals in the Biotechnology laboratory of the Biotechnology division of the Department of Chemistry, Karnatak Science College, Dharwad. Right: Group photo of students and teachers of the Department of Biotechnology, along with the Principal of K.Sc.C.D, HOD (Chemistry) and Coordinator of Biotechnology.

Careers in Biotechnology:

The areas in which students who study Biotechnology can work are as follows: Bio manufacturing Specialist, Bioproduction Specialist, Research & Development Scientist, Process Development Scientist, Biomedical Engineer, Biochemist and Biophysicists, Medical Scientist, Bio-manufacturing Specialist, Bio-production Operators, Medical Scientist, Biotechnological Technician, Epidemiologist, Medical & Clinical lab technologist and technician, among many others.

Biotechnology Companies in India:

Serum Institute of India, Biocon, Panacea Biotec Limited, Dr. Reddy's Laboratories Limited, Wockhardt, GlaxoSmithKline Pharmaceuticals Limited, Bharat Serums & Vaccines Limited, Novozymes and Indian Immunologicals Limited are few of the famous biotechnology companies existing in India. The Biotechnology section was started as a dream child of the Chemistry department in the year 2002, with Dr. V. H. Arali as the first Coordinator. At present, the Coordinator for Biotechnology is Dr. (Smt.) Jayalakshmi K., Assistant Professor, Department of Chemistry, K.Sc.C.D



For further details, contact: Dr. (Smt.) Jayalakshmi K., Assistant Professor and Coordinator, Department of Biotechnology, K.Sc.C.D

UG and PG DEPARTMENT OF PHYSICS

The building of Department of Physics, KScCD occupies a prime position at the entry of the college from main gate, a bit away from the College Road, distanced from it by the garden (park) and the football ground. Physics, Electronics and Computer Science are the optional subjects taught here. In addition to the under-graduate (UG) or B.Sc. Courses, a post-graduate (M.Sc. Physics) was started in the year 2011 and has been

successfully conducted on “self- finance” basis with two specializations, namely, Nuclear Physics and Condensed Matter Physics.

All the faculty members have supervised the M.Sc. (Physics) project work done by PG students of the department. Most of the faculty members in the Department are active in research, in addition to their teaching duties. Dr. G. H. Malimath and Dr. Blaise Lobo are recognized by the KUD as Ph.D. guides, working in the areas of fluorescence spectroscopy and materials science (polymer physics), respectively. They have already guided four students (two each) successfully for the Ph.D. degree, and several students (eight students) are working towards their Ph.D. degree under their guidance.



Left: Photograph of the side entrance to the Department of Physics, Karnatak Science College, Dharwad which houses the Physics, Computer Science and Electronics Sections of the College. Right: Laboratory work in Sixth Semester Laboratory (Electronics and Modern Physics Laboratory).

The faculty members of the department (Dr. Blaise Lobo and Dr. Geeta Chavan) have successfully completed Major and Minor research projects funded by the University Grants Commission, and at present, two of them (Dr. Smt. Nirupama J. M. and Dr. Smt. Reshma Nesargi) are implementing minor research projects using start - up funds from KUD.

The faculty members of the Department of Physics routinely attend National and International Conferences to present their research work. They also have attended faculty development programmes to update their knowledge and skills, both for teaching and research. The department always keeps its door open for reach - out activities, and high school teachers in the region have benefited from this. The students of the department are encouraged to engage in extra- curricular activities, like for example, demonstrations using project and experimental work (exhibitions), Seminars, Quiz programs, Debates and Essay writing. Special lectures and workshops are arranged for the benefit of students in the Department by the Einstein Study Circle (the physics study circle of the Department of Physics), which is headed by a faculty member (Asst. Prof. Jyothi S. Doddamani). Students who have the necessary aptitude and temperament are encouraged to take up research activities as an extra-curricular project work at the UG level. The faculty of the department extends their services to monitor the practical (laboratory work) in Physics of the pre-university section of the college. The Department has a library with a good collection of books on Physics, Electronics and Computer Science, which is maintained by a lady librarian. The books from the library are issued to students, for home study. In addition, there is a good seating arrangement in the departmental library, using which the students can refer

books in the reference section of the Departmental library as well as access the high speed WiFi internet facility available in the department.



Group photograph of faculty members, TAs (including those from Electronics and Computer Science Sections) and Non-teaching Staff belonging to the Department of Physics, KScCD. Seated (L-R): Smt. Sumitra S. Menasinkai (Sr. Lab Assistant), Dr. (Smt.) Nirupama J. M., Dr. (Smt.) Reshma A. Nesargi, Dr. Blaise Lobo, Shri. M. R. Ranganath (HOD), Dr. G. H. Malimath, Smt. Jyoti S. Doddamani, Dr. (Smt.) Geeta N. Chavan and Shri. Basavaraj Bariker (A.O.S)

The P1 gallery hall in the building which houses the Department of Physics is not just used for conducting classes, but it is also utilized to conduct departmental functions and programs like seminars and special lectures. The department has LCD projector facility for conducting classes and seminars. There are two degree laboratories for UG (physics), one for UG (Electronics) and one laboratory for UG (Computer Science), in addition to the M.Sc. (Physics) laboratory.



Left: Laboratory Session in progress in Electronics (B.Sc. sixth semester) laboratory. Right: Laboratory Session in progress in the optics laboratory (Dark room: Lights have been switched on to take the photograph).

The PUC laboratory on the ground floor of the Department of Physics is also utilized for conducting UG practical classes whenever there is vacation for the PUC course. The best practices followed by the faculty of the department of Physics include the sharing of ideas, charts and study materials with colleagues of other colleges, to help them conduct experiments in their laboratory and the conduct of National Graduate Physics Examination (NGPE) organized by Indian Association of Physics Teachers (Smt. Jyoti Doddamani is presently the Professor in-charge for NGPE from our college). One of

the salient features of the Department of Physics is avoiding the use of ready-made kits for experimental work (as they have less practical or experimental learning or pedagogical value), but the design of experiments by the faculty members themselves, using in-house facilities.

The Office in the Department of Physics, K. Sc. C. D. is maintained by an office superintendent (O.S), on the direction of HOD (Physics) and other higher authorities. He is supported by other office staff and peons, who have been appointed on contract basis. In addition, five laboratory assistants and five laboratory attenders are working on contract basis in the department.



Left: Instructions for students in Electricity Laboratory (B.Sc. Third and fourth semester). Right: B.Sc. Second semester students learning how to use a Cathode Ray Oscilloscope in the B.Sc I/II semester laboratory of the Department of Physics, K.Sc. C. D.

Faculty members of the Department of Physics, K.Sc.C.D:

1. Dr. G. H. Malimath, Associate Professor and Research Guide.
2. Shri. M. R. Ranganath, Associate Professor and H.O.D.
3. Dr. Blaise Lobo, Associate Professor and Research Guide.
4. Dr. (Smt.) Nirupama J. M., Assistant Professor.
5. Dr. (Smt.) Geeta N. Chavan, Assistant Professor.
6. Smt. Jyoti S. Doddamani, Assistant Professor.
7. Dr. (Smt.) Reshma A. Nesargi, Assistant Professor.

Non-Teaching Staff:

1. Shri. Basavaraj Bariker, A.O.S (Office Superintendent)
2. Smt. Sumitra S. Menasinkai, Sr. Lab Assistant.

In addition to permanent faculty members, the extra- workload in the department of Physics is handled by teaching assistants (TAs) and guest faculty (GF). For the PG (M.Sc.) course in Physics, there are four TAs, whereas there are two TAs and two GF for UG (Physics), two TAs and one GF for UG (Electronics) and four TAs for UG (Computer Science).



Photograph on the left: Students being taught an experiment in B.Sc. second semester laboratory. Photograph on the right: Meeting in the HOD's Chamber. Discussion of Shri. M.R. Ranganath, HOD (Physics) and Dr. Blaise Lobo, Co-ordinator (Computer Science) with the Office superintendent Shri. Basavaraj. M. Bariker (A.O.S) and other non-teaching staff of the department.

DEPARTMENT OF ELECTRONICS **Electronics Section in the Department of Physics**

Electronics is one of the fastest expanding fields in research, application development and commercialization. Electronics is the branch of Physics that deals with flow of electrons and their effects in vacuum, gas or a semiconductor.



In the picture on left, the Coordinator of Electronics, Dr. (Smt.) Nirupama J. M. (in saree) is seen supervising the arrangements for the Laboratory session in progress in the Electronics Section belonging to the Department of Physics, K.Sc.C.D. The Teaching Assistants (TAs) and non-teaching staff are also seen, along with students (in uniform). In the figure on the right, the staff members pose for a photograph along with the Co-ordinator, Dr. Smt. Nirupama J. M. (second from left, anti-clockwise), in the Electronics section of the Department of Physics, K.Sc.C.D.

There is no field without the role of an electronic device. Electronic devices are applied in a wide range of areas like for example, the checking savings account at bank, automobile insurance, credit cards, airline tickets and in communication. Most of the parts used in the space shuttle, satellite power supplies, aircraft power management and some mind blowing innovations such as Robotic Arm, Robotic Check-Ups, Bionic Eye are electronic devices. Electronics is used in medical instrumentation like NMR, ECM, X-ray, Needle-Free Diabetes Care, Blood gas analyser, Medical glucose Monitor, Electronic Brain Wave Machine, Medical heart monitors, Infrared and Digital Thermometers, Defibrillator, Sphygmomanometer etc. Electronics has also applications in utility systems such as High voltage DC Transmission, VAR

compensation, Static circuit breakers, Solar, wind power management system, Smart grid system.



Left & Right: The teaching Assistants are monitoring the performance of the students in the practicals, in the UG (Electronics) laboratory of the Department of Physics.

Electronic devices and gadgets are widely used for the commercial purpose such as Telephone, Air conditioning, heating, Digital Advertising, power supplies, Personal computer, MP3s, office equipment, light dimmer, uninterruptible power supplies (UPS) etc. Electronics is now part of our everyday life, from the mobile phones to televisions, computers and even the high-end advanced satellites that are helping us to lead a smooth life. Ever since the evolution of technology, Electronics has become an essential discipline which is required by all the industries. Hence, Electronics is one of the most sought after branches by students. Electronics Division was started in the Department of Physics in the year 1994. UG students with PME combination are trained by NET/SET qualified teachers. This division has all the necessary infrastructure and instruments such as Microprocessor training kits, Fibre optic communication training kit, Computers, Arduino training kits to train the students as per new National Education Policy 2020.

Students learn Communication Electronics, basic principles of digital communication systems, basics of information theory using Fourier transforms and the sampling theorem and experiments using MATLAB, which would be beneficial particularly to students who are interested in doing research in the fields related to communications, networks and signal processing. Students also learn the technology of fiber optical communication system, a balanced discussion between component operation and system design consideration, performance parameters and fabrication problems, lasers, LED modulation and detector responses. This course will cater the needs of the students to develop the knowledge and skills in the field of electronics.

Skill Enhancement Experiments taught in the course:

A) Embedded Systems experiments using microcontroller/Arduino:

An embedded system is a combination of a computer processor, computer memory, and input/output peripheral devices that perform some specific task within a larger mechanical or electronic system. The Students learn to interface different modules with Arduino like stepper motor, LCD, GLCD. Interfacing different modules will provide all information about coding and protocols regarding peripheral and programming.

This course has career opportunities in Medical electronics and automation industry, automotive industry, Robotics Industries and Cyber security.

B) PCB design and simulation Experiments:

Students learn modeling methods and simulation tools and learn to simulate electronic circuits and prototype Printed Circuit Boards (PCBs). This is a basic course for designing of PCB using software. PCB designing is an integral part of each electronics products and this program is designed to make students capable to design their own projects PCB up to industrial grade.

The Electronics students in the Department of Physics, K.Sc. C. D are provided access to a large number of standard Electronics books which are available in both the Departmental library as well as the centralized Dr. V. K. Gokak library. The library in the building hosting the Electronics Section (Department of Physics) has a collection of 701 good text books and reference books on Electronics. The books recommended by the staff members in the last few years are managed by the librarians of Dr. V. K. Gokak library.

For further details, contact: Dr. (Smt.) Nirupama J. M, Co-ordinator of the Electronics Section and Assistant Professor, Department of Physics, Karnatak Science College, Dharwad.

DEPARTMENT OF COMPUTER SCIENCE **Computer Science Section in the Department of Physics**

The Computer Science section in the Department of Physics, K.Sc. C. D started functioning in the year 1998. The College provides and facilitates various combinations for the students to opt Computer Science. In fact, Computer Science is one of the optional subjects offered for B.Sc degree students. The curriculum covered for students pursuing B.Sc (with Computer Science as one of the three optionals) course will be taught about C, C++, Data Structures, Microprocessors, DMS, Visual Basic, Java, Data Base Management System (DBMS) in different semesters of the six semester course, spread over a three year period. BSc with Computer Science as one of the optional subjects is a three year undergraduate program that deals with the subjects and topics related to computer science, computer application, and its services. The main aim of this course is to create quality professionals and research fellows who can work in every sector by implementing the technology of computer systems and software. The course curriculum of this course is divided into six semesters. BSc Computer Science course curriculum is a comprehensive mixture of classroom training, lab classes, practical training, seminar, etc. BSc Computer Science syllabus consists of Core subjects; the subjects are divided along the three years keeping in mind the ability of the students to grasp the knowledge more effectively. The National Education Policy 2020 (NEP 2020) , which was approved by The Union Cabinet of India on 29th July 2020, outline the vision of India's new education system. The new policy replaces the previous National Policy on Education 1986. Karnataka is the first state to implement this policy. According to NEP -2020, computer science subject can be opted by any streams of students. The special bridge course will be conducted for students from non-science background.

Computer Science is one of the most popular programs in the IT domain. This field has the potential to propel student's career. It is consistently growing field with large

variety of job opportunities both in India and abroad as the industry and demand grow. This degree can lead to profiles like computer scientist or Information System manager or Networking Specialist whose job is to draw the technological road map for the organization, ensure efficient management of the available computer facilities, handles smooth functioning of the local area and wide area networking, implement Cyber Security system, look after Hardware and software system upgrading, and manage system designing and technical analysis for the organization. The Computer Science faculty members guide the students for academic excellence, good behavior and discipline. Every semester, based on the curriculum, at least 20 programs are practiced by each student. After completion of the practical training, the students will submit a Journal based on the programs they have practiced in the lab. The respective faculty members have prepared a laboratory manual for each semester of the B.Sc. Course, following the syllabus prescribed by the University.

The year wise break down of the BSc Computer Science syllabus (CBCS Syllabus, not NEP syllabus) is mentioned below:

Semester	Subject
FIRST	Problem Solving Techniques Using C
SECOND	Digital Logic & Computer Design
THIRD	Data Structure Using C
FOURTH	Object Oriented Programming using C++
FIFTH (Paper-I)	Mathematical Foundation for Computer Science
FIFTH (Paper-II)	Visual Basic
SIXTH (Paper-I)	Java and Internet Programming
SIXTH (Paper-II)	Data Base Management System



Left: Students engaged in learning programming in the Computer Science laboratory belonging to the Computer Science Section of the Department of Physics, K.Sc.C.D. Right: Students working on their systems in the Computer Science Laboratory, Department of Physics, Karnatak Science College, Dharwad.

Computer Science laboratory infrastructure comprises of 23 PCs in working condition and sufficient number of printers. The department networking utilizes 100Mbps connection to all desktop machines. In addition to their theoretical contributions, the Computer Science section of the Physics department has been the site for several workshops based on PHP, python, HTML, Big Data and CSS. The main goal of conducting these workshops is to understand different programming languages that help in enhancing programming skills and ability to cope with and adopt to rapid

technological changes. Students of Computer science are encouraged to get involve in extracurricular activities like participation in Seminars, Hands on Training, Workshops and Quiz competitions. Faculties train the computer science final year/ semester students to face aptitude tests, technical tests and interviews conducted by various companies, as well as guide them for higher studies and to explore other fields. The students who have passed out of this Department are well placed in many software development organizations.



Left: Teaching assistants of Computer Science Section of the Department of Physics, K.Sc.C.D posing for a group photograph in their staff room, along with the Coordinator, Dr. Blaise Lobo (seated). Right: Students studying in the Departmental Library, Department of Physics, K.Sc.C.D.

The Computer Science students in the Department are provided access to a large number of standard Computer Science books which are available in both the Departmental library as well as the centralized Dr. V. K. Gokak library. The library in the building hosting the Computer Science Section (Department of Physics) has a collection of 775 good text books and reference books on Computer Science. The books recommended by the staff members in the last few years are managed by the librarians of Dr. V. K. Gokak library.

Important Note: As the professional course, namely, B.Sc. (Computer Science) which was run in the BCA/B.Sc.(CS) department of the college has been discontinued by the KUD, in compliance with the oral directions from the Vice-Chancellor of KUD, w.e.f 2021-22, the students of B.Sc. First semester for the mainstream course with Computer Science as a major subject will be admitted in the Department of BCA/B.Sc (CS), which will be renamed as the Department of Computer Science and the permanent faculty of that department will conduct the mainstream Computer Science Course at the UG level. However, the Computer Science section in the Department of Physics (which has 27 years of glorious existence, as of now) will continue to function for the second and third year students, till the smooth transfer of academic programs to the newly established independent department of Computer Science in K.Sc.C.D is facilitated.

For further details, contact: Dr. Blaise Lobo, Co-ordinator of the Computer Science Section and Associate Professor, Department of Physics, Karnatak Science College, Dharwad.

M.Sc. (Physics) course conducted by the Department of Physics, K.Sc.C.D.

The M.Sc. Physics Course was initiated in the year 2011 in the Department of Physics, K.Sc.C.D, on a Self-financed basis. The course is managed by the HOD ((Physics), K.Sc.C.D, on the direction of the Principal of the College. The course has been a success, with several batches of students coming out with their M.Sc. Degree in Physics, with either Nuclear and Particle Physics (NPP) or Condensed Matter Physics (CMP) as specializations. The permanent faculty members of the department handle classes as well as supervise the Project Work done by the M.Sc. (Physics) students, supported well by four teaching assistants. Expert Professors from different Universities are invited to deliver lectures to these students. The M.Sc. Physics laboratory is well equipped with all the necessary instruments, in order to perform the experiments suggested in the PG syllabus framed by the BOS in Physics, Karnatak University, Dharwad. In addition to the infrastructure available in the department, the students use the research facilities available at the USIC of KUD to complete their project work. The Department has a separate PG library section which is managed by the non-teaching staff of the department; the students and teaching staff members are issued books, to study at home. In the last few years, the Dr. V. K. Gokak Central Library has taken the responsibility of procuring books required by the M.Sc. (Physics) students of the department. Some students of the department have cleared their UGC (NET and JRF) as well as SLET qualifying examinations, which make them eligible to become Assistant Professors as well as pursue research on fellowship (JRF).



Photo on left: Staff members of the PG (M.Sc.) section of the Department of Physics, KScCD, posing for a group photograph in the M.Sc. (Physics) laboratory. Photo on the right: M.Sc. students performing practicals in the PG laboratory of the Department of Physics, KScCD.

Admission procedure for M.Sc (Physics) course:

The entire admission procedure is carried out by the Department of Physics, Karnatak University, Pavatenagar, Dharwad as per the merit - cum - roster policy of the Government of Karnataka. In order to get admission into the department, the students should submit an application with required documents to the Department of Physics, Karnatak University, Dharwad during the period of that academic year mentioned by the University and advertised in the KUD website (<http://www.kud.ac.in>) under the menu item, "Notifications". Later an entrance examination may be conducted and seats will be allotted based on the merit list, strictly following the reservation policy of the Government of Karnataka, taking into consideration the performance of the student in both undergraduate examinations as well as the entrance test conducted by the concerned department of the University (KUD).

Library in the Department of Physics, Karnatak Science College, Dharwad:

The library in the Department of Physics contains a good number of reference books and text books on Physics, Electronics and Computer Science. There is a seating arrangement for students to study the books referred from the library. Students are also given books to study at home, which they return (or renew) after a week. There are 4253 books on Physics, 701 books on electronics and 775 books on Computer Science in the Departmental library. In addition to books for B.Sc. (Physics), several standard books at the M.Sc. (Physics) level and above are available in the Departmental library. In the last few years, the books purchased from the Departmental budget provisions for B.Sc. (Physics), B.Sc. (Electronics), B.Sc. (Computer Science) and those purchased from the PG (Science Courses) budget are kept in the Central Dr. V. K. Gokak library at KCD.



For further details, Contact: Associate Professor M. R. Ranganath, HOD of Physics and Student Welfare Officer (SWO), Karnatak Science College, Dharwad.

DEPARTMENT OF FORENSIC SCIENCE

The Department of Forensic Science was established under the leadership of Shri. K. P. Venkateshmurthy, I.P.S., in the Karnatak Science College, Dharwad in 1965. It was the first such Department (focusing on Criminology and Forensic Science) in South India. The Department offers Criminology and Forensic Science as optional subjects for B.A. and B.Sc. Degree courses, respectively. The Department is presently housed in a separate building, with two spacious halls, named as Dr. E. H. Sutherland Lecture Hall and Lombroso Lecture Hall. There is a well - maintained, good museum in the Department, containing rare collections.



Left: Museum of the Department of Criminology and Forensic Science, K.Sc.C.D. Right: An aerial view of the museum in the Department of Criminology and Forensic Science, with staff and students.

The museum in the Department of Criminology and Forensic Science, K.Sc.C. D has a collection of wax models, photographs of pioneers in the field of Criminology and Forensic Science, charts on motor vehicle and train accidents, photographs of finger prints and footprints and toxicological specimens, among many others. The Department of Criminology and Forensic Science contains two well equipped laboratories and a separate library. The Departmental library has a collection of nearly one thousand books and journals. The Department imparts training to students of Criminology and Forensic Science on various aspects of the subject, like for example, Police Science, Criminology, Penology, Victimology, Forensic Science, Criminal Law and Forensic medicine. The Department arranges exhibitions during Traffic and Crime Prevention week, with the co-operation of the local police. The Study Circle in the Department of Criminology and Forensic Science is named after the well - known Criminologist Dr. Walter Reckless. The Walter Reckless Study Circle arranges Seminars, Symposium and Debates in order to train the students in academic pursuits.



Left: Teaching and non-teaching staff members of the Department of Criminology and Forensic Science, Karnatak Science College, Dharwad. In the picture on the right: Dr. J. L. Kalyan, HOD of the Department of Criminology and Forensic Science, along with office and technical staff members. Seated L-R: Shri A.S.Kallolikar (Artist), Dr. J. L. Kalyan (HOD), Sri. Ramesh Nirwani (Sr. Lab Assistant).



Dr. J. L. Kalyan, H.O.D and Associate Professor, Department of Criminology and Forensic Science, Karnatak Science College, Dharwad.

At present Dr. J. L. Kalyan, Associate Professor of Criminology and Forensic Science is the Head of the Department. He is supported by six teaching assistants (TAs) and a few non-teaching, including technical staff members. All the teaching staff members are quite competent to teach Criminology and Forensic Science in both Kannada and English medium (medium of instruction). Among the teaching staff members, two members are Ph.D. degree holders and Dr. J. L. Kalyan is a recognized Ph.D. guide of the Karnatak University, Dharwad. The teachers belonging to the Department of Criminology and Forensic Science are actively engaged in both

academic teaching and research activities. Modern teaching methods are practised in the Department; the teaching methods include suitable educational teaching aids like LCD projector and OHP projector, in addition to sophisticated instruments. The Department of Criminology and Forensic Science celebrated its Golden Jubilee in the year 2016. The success rate of students of Criminology and Forensic Science, from both B.A and B.Sc. Courses is around 95%. A gold medal has been instituted in the name of the founder H.O.D Prof. K. P. Venkatesh Murthy. Each year, one student is awarded this Gold medal.

For further details, contact: Dr. J. L. Kalyan, H.O.D and Associate Professor, Department of Criminology and Forensic Science, Karnatak Science College, Dharwad.

DEPARTMENT OF GEOGRAPHY

The Department of Geography started functioning in Karnatak Science College in the year 1937. It offers Geography as an optional subject for students pursuing B.Sc. and B.A. degree courses. The Department of Geography, K.Sc.C.D has an independent building with three lecture Halls, each with a seating capacity for 120 students. It also contains three lecture halls and one museum. .



Left: Students and staff members of the Department of Geography, K.Sc.C.D pose for a group photograph in the museum. Right: Faculty members, teaching assistants and non-teaching staff members of the Department of Geography, Karnatak Science College, Dharwad.

The Department of Geography, K.Sc.C.D. has a study circle, through which tours, seminars and group discussions for students are arranged. Meteorologic predictor information is available to the general public, as the Department of Geography has six meteorological equipment.

The faculty members of the Department of Geography, K.Sc.C.D are recognized as Ph.D. Guides by the Karnatak University, Dharwad. Many students are pursuing their Ph.D. degree under the faculty members of the Department of Geography, who have also completed the implementation of research projects funded by the University Grants Commission, Government of India. List of Faculty members in the Department of Geography, Karnatak Science College, Dharwad:

1. Dr. L.T. Nayak, Associate Professor.
2. Dr. S. S. Motebennur, Associate Professor.
3. Dr. (Smt.) V. B. Saviramath, Associate Professor.
4. Dr. G. N. Kummur, Associate Professor and H.O.D.



For details: Contact Dr. G. N. Kummur, Associate Professor and H.O.D of the Department of Geography, Karnatak Science College, Dharwad.

DEPARTMENT OF GEOLOGY

In the present scenario, Earth Science has got tremendous scope, and therefore, education in this field has gained momentum. There are plenty of opportunities for well - trained Geologists in academic, organizational, institutional and departmental fields. Geology deals with the science of Earth, that includes all aspects of the study of Earth, but it is more focused on its internal aspects. Geology throws light on Earth dynamics, its history, geodesy, geometry, geochemistry, geophysics, mineralogy, petrology and palaeontology. It includes a study of economic Geology, structural Geology and other applied aspects. The Department of Geology at Karnatak Science College, Dharwad is equipped has good lecture halls, laboratories, library, research laboratory and a separate Computer lab for Staff and Students. The Department has well - qualified faculty members and skilled laboratory staff.



Left: B.Sc. students of Geology being taught about different Geological specimens in the museum in the Department of Geology, K.Sc.C.D. Right: Faculty members and non-teaching staff members of the Department of Geology, K.Sc.C.D. Seated (L-R): Associate Professors Dr. R.Y. Budihal, Dr. S. Manjunatha, Dr. J. T. Gudagur (H.O.D), Dr. S.C. Chougla and Office Staff Shri. Nerlekar (O.S)

There is a marvelous museum in the Department of Geology, which has excellent exhibits comprising minerals, rocks and fossil specimens which have been systematically arranged. The museum has several maps, models, charts, aerial photographs and imageries, among many other educational materials. A few specimen available in the Geology museum are unique and rare. Thus, the museum in the Department of Geology, Karnatak Science College, Dharwad is considered as one among the best Geology museums in South India.

The Department of Geology arranges seminars, workshops, exhibitions, invited lectures, field mapping and other competitions for students. The staff members engage themselves in societal activities, especially the popularization of Geo-sciences, in addition to their teaching and research work. The faculty members of the department

extend their services by giving free technical advice regarding borewell locations, rain water harvesting, ground water recharge structures, and the estimation of ore bodies, mineral deposits and rocks. Two of the faculty members of the department are recognized Ph. D. guides, namely, Dr. J. T. Gudagur and Dr. S. Manjunatha.

The Department of Geology was established as a separate department on August 1st, 1961. Karnatak University started the post graduation course in Geology in 1956. When Dr. M. S. Sadashivaiah assumed charge as Professor and Head of Department of Geology in the University, he realized the importance of introducing Geology for undergraduate level. The introduction of Geology as a principal subject was success. The strength of students increased year after year and the need for a separate undergraduate department of Geology was felt. As a result the department of Geology was separated from the department of Geography with Prof. C. Paramashivaiah as head of the department. This was mainly due to the efforts of Principal G. S. Paramashivaiah who took keen interest and Dr. M. S. Sadashivaiah who transferred material and equipment consisting of a number of polarizing Microscope including accessories, sets of rocks, minerals, fossils and other equipment from the P.G. department to the college.



Left: Instructions being given to students regarding Geological samples by Associate Professor, Dr. R. Y. Budihal. Right: Experiment on Geological samples using Polarizing microscope, explained to students by Associate Professors, Dr. S. Manjunatha and Dr. S.C. Chougala.

Earlier the department was housed in the first floor of the new staff building. The subject was then taught as both as Major (core) and minor (elective) to the B.Sc. students. As the accommodation provided for the department has become inadequate and there was a need for spacious building, in 1984 the department was shifted to new premises, the left wing on the first floor of science block. In 1994, the three principle subjects of equal importance, spacious class rooms, and two labs were introduced by the University. Students are admitted to B. Sc (Optional) based on merit cum roster system. The students admitted belong to different social and economical background as well as rural and urban background. The students admitted to B. Sc (Geology optional) study in English medium. In recent years students have got attracted towards the subject i.e. strength has increased three fold and rate of absorption to jobs has improved a lot.



Dr. J. T. Gudagur, H.O.D and Associate Professor, Department of Geology, Karnatak Science College, Dharwad.

For further details, contact: Dr. J. T. Gudagur, H.O.D and Associate Professor, Department of Geology, Karnatak Science College, Dharwad.

DEPARTMENT OF BOTANY

The department of Botany is in the midst lush green vegetation providing a congenial environment for enhancing students studies. Earlier the department was housed in Biology building since 1937 and subsequently moved to its independent building in 1951. Biology was taught in main building (Arts Building).

The Botany subject was introduced at the subsidiary level of the graduate course in science. Prof. D.V. Shinde was the first to teach the B.Sc. Botany subject. Dr. L.K. Gunjekar joined him in 1937. Efforts of Prof. P.W. Gideon to introduce botany as a principle subject in 1938 was turned down by the Government of Bombay as the Second World War had started. Efforts were resumed in 1946 after the second world war and the Government gave the sanction to teach Botany as the principle subject in 1946, headed by Prof.(Mrs.) Elva Gonzalves in the independent building from 1951 to 1954. She was also the pioneer of phycology in this region. The credit for this tireless effort must go to wrangler Dr. D.C. Pavate the then Director of Public Instruction.



Photograph of the Botany Department building (Left): Front View; (Right:) Students in the Botany Laboratory, Karnatak Science College, Dharwad. Dr. Smt. Doris. Singh, HOD and Dr. K. P. Kolkar, Associate Professor are seen in this photograph.

In 2000-01 looking into the needs of the students an applied subject Genetics was introduced. The course is run by the Coordinator who is a teaching faculty of Botany department. The department has four laboratories, two labs for B.Sc, one lab for

Genetics and the other lab for PUC course (which is shifted in New PUC block). There is only one classroom which can accommodate 60 students hence classes are also taken in Biology hall (Z1). There is one HOD room and five staff rooms and one preparation room. The most attractive part of the department is the garden which has about 2000 different plants both potted and grounded. The garden has almost all the plants for day to day practical use also a small medicinal garden has been developed.

The department has a herbarium housing more than 10000 specimens including Algae; in the herbarium a type specimen *Isoetes dixtii* Shinde (Italics) is an extinct species (Ex. 11352, Panchghani, Maharashtra) and other is Fischer Herbarium specimens from Holland. The department has four permanent teaching staff; Dr.(Mrs.) Doris M Singh, Dr. K. Kotresha, Dr. C.G. Patil and Dr. K.P. Kolkar. All are well qualified and experts in their field like Microbiology, Taxonomy, Genetics and Environmental Biology, Developmental Biology etc. Teachers are carrying out research work. All of them are Research guides. So far 16 students have been awarded Ph.D.; 18 students are perusing their Ph.D. and four major and four minor projects have been completed. There are 10 temporary teachers who are actively involved in teaching and Research.



Left: Dr. C. G. Patil, Associate Professor of Botany explaining some concepts to students of Genetics/ Botany, Karnatak Science College, Dharwad. Right: Group photograph of faculty members, teaching assistants and non-teaching staff of the Department of Botany (and Genetics), Karnatak Science College, Dharwad.

The office is small having a computer operator and three peons who look after all the labs both Genetics and Botany. Each day four laboratories run simultaneously; a field collector and a gardener are also part of the department. The department also has a lab assistant.

Dr. K. Kotresha takes up consultant activities of identifying the plants, students of Pharmacology Ayurveda regularly visit the department for identification for which a minimal fees of Rs. 100/- is charged. Teachers of various schools and colleges come to take plants from the Botany department for which they are charged Rs. 10/- per unit. At present the total strength of the students is 293 at the U.G. level. The department has best practices; all teachers are mentors who conduct activities in developing the skill of the students while giving knowledge about the subject.



Dr. (Smt.) Doris M. Singh, Associate Professor and Head of the Department of Botany, Karnatak Science College, Dharwad

The Botany department also maintains a museum which has 7 sections comprising of Algae, Pteridophyte, Gymnosperms, Ecological instruments, economic botany, dried, fruits and fossil forms. Over all well being of the community is being taken care by imparting good education and conducting various programs like extension programs, development of nursery, production of organic manure, carbon sequestering, plant diversity documentation and keeping our environment clean.

The list of faculty members in the Department of Botany is as follows:

1. Dr. (Smt.) Doris M. Singh, Associate Professor and HOD
2. Dr. K. Kotresha, Associate Professor
3. Dr. C. G. Patil, Associate Professor
4. Dr. Kiran P. Kolkar, Associate Professor

For further details, contact: Dr. (Smt.) Doris M. Singh, Associate Professor and Head of the Department of Botany, Karnatak Science College, Dharwad.

DEPARTMENT OF GENETICS **Genetics Division in the Department of Botany, K.Sc.C.D**

Genetics, a discipline of biology, is the science of heredity. This includes the study of genes, and the inheritance of variation and traits of living organisms. In the laboratory, genetics proceeds by mating carefully selected organisms, and analyzing their offspring. More informally, genetics is the study of how parents pass some of their characteristics to their children. It is an important part of biology, and gives the basic rules on which evolution acts. The fact that living things inherit traits from their parents has been known since prehistoric times, and used to improve crop plants and animals through selective breeding. However, the modern science of genetics seeks to understand the process of inheritance. This began with the work of Gregor Mendel in the mid-nineteenth century. Although he did not know the physical basis for heredity, Mendel observed that organisms inherit traits via discrete units of inheritance, which are now called genes.

The twentieth century began with the rediscovery of Mendel's rules of inheritance and ended with the complete sequence of the human genome, one of the most monumental scientific accomplishments of all time. What lies in the future? What will the twenty-first century, the century of genomics, bring? Will geneticists a hundred years from now speak of a complete cure for cancer, heart disease, and mental illness? Will we have a cure for autoimmune diseases such as diabetes and arthritis? Will aging be slowed or even prevented? Will we have a complete understanding of the process of

development and a concurrent elimination of birth defects and developmental problems? Will genetics put an end to world hunger? How will we live, and what will be the quality of our lives? The students who now are taking genetics will learn the answers to these questions as time progresses. Some students will contribute to the answers. The science of genetics includes the rules of inheritance in cells, individuals, and populations and the molecular mechanisms by which genes control the growth, development, and appearance of an organism. No area of biology can truly be appreciated or understood without an understanding of genetics because genes not only control cellular processes, they also determine the course of evolution. Genetic concepts provide the framework for the study of modern biology. An understanding of genetics is however crucial to advancements in medicine, agriculture, and many industries. Genetic controversies such as the pros and cons of the Human Genome Project, the potential ethical and medical risks of recombinant DNA and cloning of mammals, and human behavioral genetic issues such as the degree of inheritance of homosexuality, alcoholism, and intelligence. Genetics can help us to understand why people look the way they do and why some people are more prone to certain diseases than others. Genetics can help health-care professionals to identify certain conditions in babies before they are born using techniques such as prenatal testing. Genetics helps explain a lot of things, like what makes you unique, why you look like other members of your family, and why some diseases run in your family. Taking time to learn about genetics can help you understand your own health and make healthy choices. The subject comprises different aspects of living activities and their precise control through DNA, DNA mutation causing various diseases like cancer, congenital diseases, neuropathy and biochemical disorders like phenyl Ketonuria. The technical expertise of the students in the field of Genetics and Molecular Biology make the student employable.



Left: Laboratory instructions being given to students in Genetics department. Right: Dr. C.G. Patil, Professor of Botany and Subject Expert on Genetics explaining some experiments to the students of Genetics at Karnatak Science College, Dharwad.

In Karnatak Science College, GENETICS is taught as one of the optional subjects with Chemistry as the compulsory subject, and Botany or Zoology as the other optional subjects under three subjects of equal importance scheme. For academic and administrative purpose, genetics course is housed in Department of Botany. There is a dedicated laboratory for genetics with the state-of-the-art facilities to perform experiments in classical as well as molecular genetics. Separate group of teachers with expertise in the subject are appointed to teach the subject. Teachers are well trained in theoretical as well as practical aspects of genetics and are always available to the students in both online and offline mode. Students can consult the faculty members at

any given time to clear their doubts. Alumni of the department with genetics optional subject are well placed in various National and International research organizations, working in various capacities in Government and non-Governmental organizations, indicating the contribution of the division in creating responsible citizens for the future. In order to nourish the academic zeal of the students, Karnatak University has started the Post-Graduation Department of Applied Genetics in the main campus, where the student can pursue his/her Post-Graduation and the Doctorate degree in genetics.



For further details, contact: Dr. K. P. Kolkar, Coordinator, Genetics Division, Department of Botany, Karnatak Science College, Dharwad

DEPARTMENT OF ZOOLOGY

The Department of Zoology was established in the year 1934. This department has the prestige of starting PG course in Zoology in 1959, which was later on shifted to Karnatak University, Dharwad in 1967.



The department is housed in a beautiful red coloured building and covers largest area on the campus. It has spacious building with a Library, 3 Lecture halls, 4 Student Laboratories, 3 well equipped research laboratories and one of the largest and best Museums in the entire North Karnataka, which is one of the best Zoology museums in India. The museum is well

furnished with a collection of 2500 species of specimens, which are well maintained and appreciated by the public, visitors and students from the different places. The Department of Zoology has well qualified faculty members, four of them are with Ph.D and one is having the M.Phil Degree. Two of the faculty members are recognized as Research Guides of Karnatak University. Since its inception, 26 students have completed Ph.D and the department has received research grants from funding agencies like DST, UGC and VGST. Papers are published from the department in National and International journals. All the teaching staff are student friendly and the department offers courses from B.Sc. to Ph.D. The Department of Zoology organizes seminars,

workshops , training programmes, extension programmes and study tours . B.Sc students are encouraged to take up small research projects and many of them have presented papers in National level conferences and seminars .Student knowledge enrichment programmes are organized by Dept. study circle i.e, Dr.Salim Ali Zoology Study circle. Department has some innovative practices like Vermicomposting, Apiculture, Rain Water harvesting, Construction of fish aquaria etc.



Left: Faculty members and students in the laboratory of the Department of Zoology, Karnatak Science College, Dharwad. Right: The famous Zoology museum at Karnatak Science College, Dharwad.



Left: Instructions being given to students in the laboratory of the Department of Zoology, Karnatak Science College, Dharwad by Asst. Prof. Harsha D. Neelgund. Right: Instructions given to students by Shri. S. S. Mangalawade in the Zoology laboratory of Karnatak Science College, Dharwad. HOD of Zoology, Dr. (Smt.) M. S. Nayak is also seen.

The Department also has two sister departments, viz., Department of Industrial Fish and Fisheries, established in the year 1995. This is a Vocational course which expertises the students in preparing fish aquaria, rearing of ornamental fish, fish farming, fish preservation and other activities are organized like study tours, field trips and hands on training from the field.

Another department is Microbiology, which was established in the year 1997. This Dept. has necessary infrastructure, well equipped laboratory, with various equipment like Autoclave, Colorimeter, BOD incubator, Laminar airflow, Electrophoresis, Bacterial incubator, Hot air oven, Rotatory shaker incubator, Centrifuge, Defreezer etc. catering to the needs of the students. This course teaches microbiological techniques, medical microbiology, food processing and preservation technologies. This Department has the pride of producing many eminent personalities in the field of Life sciences.



Left: Teaching staff and non-teaching staff members of the Department of Zoology, Karnatak Science College, Dharwad. Right: Dr. (Smt.) Mangala S. Nayak, Associate Professor and HOD, Department of Zoology, Karnatak Science College, Dharwad.

1. Teaching Staff (Permanent):

Sl. No.	Names
1	Dr.(Smt)A.S.Bellad (Associate Professor & Principal)
2	Dr.(Smt)M.S.Nayak (Associate Professor& HOD)
3	Dr.(Smt)R.D.Sanakal (Assistant Professor)
4	Dr.S.S.Mangalawede (Assistant Professor)
5	Shri.H.D.Neelgund (Assistant Professor)

2. Non Teaching Staff

Sl.No.	Name
	Shri.S.B.Radder (Sr.Lab.Assistant)

For further details, contact: Dr. (Smt.) Mangala S. Nayak, Associate Professor and HOD, Department of Zoology, Karnatak Science College, Dharwad.

DEPARTMENT OF INDUSTRIAL FISH AND FISHERIES

Industrial Fish and Fisheries course was introduced as a vocational course by UGC at Karnatak University's Karnatak Science College, Dharwad in the year 1994. It was started in the Department of Zoology, Karnatak Science College, Dharwad as an undergraduate course. From the last 25 years, this course is being conducted with optional subject combinations involving Chemistry as the main subject and two allied subjects, namely, Zoology and Botany (known as CZIF and CBIF, respectively). At present, this is a six-semester course (3 years) and minimum eligibility is an intermediate (10+2) in science discipline.

The syllabus for Industrial Fish and Fisheries at UG level using the Choice Based Credit system (CBCS) has been framed in compliance with the model syllabus given by the UGC. The main objective of this syllabus is to give the students a holistic understanding of the subject, giving substantial weightage to both the core content and techniques used in Industrial Fish and Fisheries. Keeping in mind and in tune with the changing nature of the subject, adequate emphasis has been given on new techniques and understanding of the subject. The syllabus has also been framed in such a way that the basic skills of the subject are taught to the students, and the scope of securing a job after graduation will increase.



Students of Industrial Fish and Fisheries Department, during a field trip to the Fisheries training Centre, B.R. Project, Shivamogga, Karnataka, India.



Left: Staff and students of Industrial Fish and Fisheries pose for a group photograph in their laboratory. Right: Instructions being given to the students in the Industrial Fish and Fisheries Department of Karnatak Science College, Dharwad.



Left: Instructions being given to students in the Laboratory of Industrial Fish and Fisheries, Karnatak Science College, Dharwad. Right: Students pose for a photograph with their teachers in the Industrial Fish and Fisheries Department of Karnatak Science College, Dharwad.

Industrial Fish and Fisheries is a field that is associated with the Science and Technology utilized in the industrial fishing business. Subjects studied under this degree are the biology of fishes and shellfishes; marine and inland fisheries aquaculture; cold water fisheries, ornamental fisheries, and their culture and management. Students gain information on fisheries marketing, economics and management; harvest and post-harvest technology of fish; fish by-products; fishery microbiology and seafood quality control; fish and shellfish processing technology and freshwater aquaculture and mariculture.

This course also encourages the student to be an entrepreneur in the field of fish culture, aquarium industries, aquaculture, fish food processing industries and research fields related to fisheries. The mission of this course is to educate the students about the conservation and sustainability of fishery resources and aquatic ecosystems by advancing fisheries and aquatic science and promoting the development of fisheries professionals. The training imparted during the UG course of study on “Industrial Fish and Fisheries (IF)” helps the students to understand the diverse mission, which includes the management and stewardship of the nation's freshwater and marine resources, their habitats, sustainable seafood and the recovery of protected fish species. Study tours are also conducted regularly as a part of the curriculum, so as to provide hands-on training to the students.

The alumni of IF division of the Zoology department are now serving in the various fields related to fisheries, such as, research, harvest and post-harvest technology related industries; seafood quality control industries; freshwater aquaculture, mariculture industry and hatchery units.



For further details, contact: Shri S. S. Mangalawade, **Co-ordinator**, Industrial Fish and Fisheries Division, Department of Zoology, Karnatak Science College, Dharwad

DEPARTMENT OF MICROBIOLOGY

---- MICROBIOLOGY: STUDYING THE INVISIBLES ----

History: The Department of Microbiology was established in the year 1997 exclusively to offer “Microbiology” as one of the optional subjects for the B.Sc. Degree offered under the Biological Sciences Stream. It is the sister Department of Zoology, Karnatak Science College, Dharwad.

Vision: Upgradation of existing teaching and research activities in order to keep pace with the global scientific progress in the field of Microbiology, and to meet the welfare of society.



Left: Instructions being given to the students in the Microbiology Division, Department of Zoology, Karnatak Science College, Dharwad. Right: Students pose for a group photograph with their teachers in the Department of Microbiology.

Mission: The development of academic processes to enhance scientific research through strategic planning and a clear vision for Science and Technology at the National level, to introduce a methodology developed to meet the different needs of society, and to serve the scientific community by implementing various research projects.

Objectives: Through the three-year undergraduate (B.Sc.) course with Microbiology as one of the optional subjects, the Department is committed to provide transformative education through the following elements:

- The Department is dedicated in providing the quality education, through both lectures and practical sessions, which are necessary to meet the needs of the growing field of Microbiology.
- Fundamental research training for undergraduate, graduate and postdoctoral students who will become future leaders in science, medicine, agriculture, and industry.
- The syllabus (CBCS and NEP) covers a wide portfolio of Microbiology courses at the undergraduate level. It is a Centre of expertise for numerous aspects of fundamentals of Microbiology and its applications.
- Research that advances the frontiers of knowledge in the field of microbiology.

Syllabus:The syllabus broadly covers different areas, such as Microbiology and Microbiological Techniques, Microbial Physiology and Genetics, Molecular Biology and Genetic Engineering, Environmental and Agricultural Microbiology, Food and Industrial Microbiology, Microbial Biotechnology and Bioinformatics, Microbial Quality Control in Pharma, Food and Industries, Microbiological analysis of air and water Immunology and Medical Microbiology, Advances in Microbiology and Biostatistics.

Library Facility:The college has central library facility as well as Departmental library dedicated for Microbiology students Library is currently housing more than 200 books including reference books and laboratory manuals for use by faculty and students.

Staff:Department has experienced teaching staff, who have cleared SET/NET and hold Doctoral degree in Microbiology. The Department of Microbiology is academically managed by co-ordinator and HOD of Faculties of Zoology Department.

Laboratory Facilities:The Department is well equipped in terms of infrastructure and receives a deluge of students applying for its undergraduate courses. Microbiology laboratory has a separate air conditioned room for uniform air flow and Laminar Air Flow unit for maintaining sterility during microbial cultivation and handling of pathogens, Bacterial incubator, BOD incubator, Shaker incubator, Digital Colony Counter, -18°C Deep Freezers, Hot Air Oven, Monocular, Binocular and Stereo Microscopes, Digital Autoclave, Digital and manual water bath, Digital pH meter, Digital Weighing balance, Anaerobic jar, Electrophoresis Units, Thumb Shaker, Digital Centrifuges, camera lucida, many Instant dehydrated culture medias, teaching

kits, teaching aids such as LCD projector, slides projectors and other facilities related to Microbiology and Molecular biology of National standards.

Research activities:The Department is involved in research on various topics related to biodegradation and bioremediation, antimicrobial activity, endophytes, probiotics, actinomycetes etc. Students and faculty are routinely engaged in presenting their research work in the form of research papers, oral presentations and posters on national and international platforms. Till date, the department had successfully completed 4 VGST SPiCE students projects sponsored by the Department of Information Technology, Biotechnology and Science and Technology, Government of Karnataka.

Outreach Activities:Along with academics Department of conducted many hands-on workshops and seminars related QC/QA Microbiology and Molecular biology.

Participation in Science Model exhibitions, Scientific assay writing and Quiz competitions.

There will be study tour for final year students to QA/QC Microbiology related to industries and National and International Research Institutes.

Placement and Job opportunities:Many of the outgoing students have been placed in wide range of jobs such as QA/QC Microbiologist in Pharmaceutical Industry, Food Processing and Beverages industries, pathologist in Hospitals, Microbiology analyst in Packaged food and drinking water industries, NABL Testing laboratories, Diagnostics labs, Many Govt sectors such as FSSAI, BIS, KSPCB, CPCB, Rural Drinking Water and Sanitation Department etc.

After this course one can become entrepreneurs in many fields like – Mushroom Cultivation, Spirulina cultivation as SCP, Production of Biofertilizer, Biogas Production, Biopesticides, Food Processing Units and Probiotic industries.



For further details, contact: Dr. (Smt.) R. D. Sanakal, Co-ordinator, Microbiology Division and Assistant Professor, Department of Zoology, Karnatak Science College, Dharwad.

Department of Computer Science and BCA



The building housing the Department of Computer Science and BCA, KScCD. The Department of Computer Science and BCA, Karnatak Science College, Dharwad, was established in the year 1998 with BCA, and B.Sc (CS) was started in the year 2001, to provide quality education at very low cost to the student. Due to the implementation of NEP-2020, KUD has closed down the B.Sc (CS) course with effect from 2021-22.

PERMANENT TEACHING STAFF:

1. Dr. Nagaraj S., Assistant Professor
2. Smt. Lalitha R. Naik, Assistant Professor and HOD
3. Smt. Ambika Ramchandra, Assistant Professor
4. Shri. Rajshekhar.V. Baraker, Assistant Professor
5. Smt. Kalpana C. Dalwai

NON-TEACHING STAFF:

1. Smt. Sakuntala Kansavi, Peon

The Department has registered speedy progress. It possesses adequate infrastructure, computing facilities, well-equipped laboratories to meet the curriculum requirements. In a very short span of its existence, the Department has earned the reputation as one of the best learning centers in Karnataka. Functioning of all the academic activities are taking place in a new magnificent building of its own. The Department gives thrust and encourages students to demonstrate creative talents based on realistic approaches. An all-round development of student is aimed at with emphasis on the computer applications.

Observing the emergence of computer science as the new discipline and looking at the explosive growth in the field of information science and technology, the Department introduced a new course leading to B.Sc.(Computer Science) in the year 2001-02. This course was designed and developed to meet the need for human resource in the area of information technology and informatics. Due to the implementation of NEP-2020, KUD has closed down the B.Sc (CS) course with effect from 2021-22, as it was felt that taking Computer Science as a MAJOR subject and either Electronics or Mathematics as a MINOR subject becomes equivalent to the B.Sc. (CS) course. This course provides an opportunity for advanced studies. All round development of students is aimed at with emphasis on the computer applications, projects, practical training and seminars. Students are given enough scope to develop innovative ideas and creative thinking. The department is currently headed by Smt. Lalitha R. Naik.



Laboratory in the Department of Computer Science, K.Sc.C.D.

BACHELOR OF COMPUTER APPLICATION (B.C.A):

I. OPPORTUNITIES:

B.C.A. graduates can join professional courses like M.C.A & M.Sc.(C.S.) or any other institution dealing with M.B.A. They will have ample of opportunities in joining various organizations. They will be very well trained to take-up independent business. The R and D establishments of the Government as well as Private Organizations require these B.C.A. Graduates. They can join software development firms or any Institute dealing with Information Technology. The course prepares students who desire to join any business organization, industry and other prestigious Institutes as Hardware/Software Personnel. In last couple of years, placement record of the institution has been excellent.

II. STRUCTURE OF THE BCA COURSE:

1. The duration of B.C.A. Course is three years (6 Semesters)
2. Each Semester will consist of 16 weeks and minimum of 90 working days.
3. Choice Based Credit System (CBCS) is introducing for the academic year 2020-21 onwards.

III. ELIGIBILITY FOR ADMISSION:

Candidate securing minimum of 35% (for all categories) of PUC / 10+2 with Science or Commerce with Mathematics / Business Mathematics / Accountancy/ Computer Science or 3 years *Diploma with Computer Science / Information Science or 2 years *JOC / *ITI with Computer Science shall be eligible.



Left: Staff members in the Department of Computer Science of K.Sc.C.D, along with the Principal Dr. A. S. Bellad. The faculty members are seated L-R: Smt. Kalpana C. Dalwai, Smt. Ambika Ramachandra, Smt. Lalitha R. Naik (HOD), Dr. Nagaraj S and Shri. Rajshekhar V. Baraker. Right: Smt. Lalitha R. Naik, Co-ordinator and Asst. Professor of BCA, Department of Computer Science (Professional Courses), Karnatak Science College, Dharwad

IV. ADMISSION PROCEDURE:

1. Admission is made based on merit cum roster as per Government of Karnataka regulations.
2. 60 Candidates will be admitted to this course for every academic year, out of which 20 candidates will be admitted on self-financing basis.

PLACEMENT ACTIVITIES:

There is a Placement and Training Center (PAT) in the Department, which is headed by the Coordinator. The Placement officer works as secretary and other faculties members of PAT. PAT Centre looks after the industrial training needs of the students and their

placements for jobs on graduation. Four major areas on which the training is planned are

1. Communication Skills
2. Group Discussions
3. Analytical Skills
4. Personality Development

Main responsibility of the PAT is to motivate and prepare students for campus interviews. This center also arranges programmers for career guidance, mock interviews, mock tests, group discussions to assist the final year students in preparing for campus recruitment. Department organizes campus recruitment fairs. Every year many top rank organizations recruit final year students of our department. The placement record of the institution is excellent.

For further details, contact: Dr. Lalitha R. Naik, Co-ordinator and Asst. Professor of BCA, Department of Computer Science, Karnatak Science College, Dharwad.

UG and PG Department of Mathematics

1. The Department of Mathematics in KCD was started in the year 1918. Since its inception, the Department has produced many eminent mathematicians and personalities who have occupied high positions, both in India and abroad. The architect of KUD, Late Wrangler Dr. D. C. Pavate, Ex-VC of KUD and later the Governor of Punjab was a student of this Department. The Department of Mathematics has developed due to dedicated services of its eminent teachers.



Shri. Jagadeesh B. Toranagatti (HOD), Dr. (Smt.) Keerthi G. Mirajkar and Shri. B. Parvatalu, Assistant Professors in the UG Department of Mathematics, KCD.

There is a study circle in the Department, named Ramanujan Study Circle. This provides a platform for students to show their innovative talents in mathematics. The Department is conducting a Mathematics Olympiad every year, in the month of November. The faculty members of the Department are engaged in research work, in addition to their teaching duties. Dr. Keerthi G. Mirajkar has successfully guided students for the Ph.D degree, as a recognized guide of the KUD.

The faculty members of the Department of Mathematics are as follows.

2. Shri. J. B. Toranagatti, Assistant Professor.
3. Dr. (Smt.) Keerthi G. Mirajkar, Assistant Professor.
4. Shri. B. Parvatalu, Assistant Professor.

M.Sc. (Mathematics) Course at Karnatak Science College, Dharwad

The program of Masters (M.Sc.) in Mathematics has started in the year 2011. In the span of 10 years, the Post-Graduate (PG) Department of Mathematics has evolved and

grown beyond its prospects. The main aim of the course is to produce post-graduate students with strong mathematics foundation to join research, industries as well as various jobs. The department has been trying to groom a large pool of best trained students as scientific manpower for quality doctoral programs and well educated individuals.



Left: The mathematics classes for M.Sc. (Mathematics) course are held in the new PG block, in KCD campus. Right: The Computer Laboratory for M.Sc. (Mathematics) students in the new PG block.

In the beginning, the students had shared class rooms and laboratory (computer) with undergraduate (B.Sc.) students. Later, the PG department has got its own full fledged computer lab with 35 systems and separate class rooms in the PG building of Karnatak Science College, Dharwad. Initially, the faculties of Mathematics from Karnatak University, Dharwad were engaging classes as well as monitoring the laboratory work. From the last two years, the University has appointed Teaching Assistants (TA), who took responsibilities in the smooth conduct of departmental academic activities. The University has appointed young, dedicated and highly qualified faculties. At present, three TAs are working in the department, who have completed their doctoral research from Karnatak University, Dharwad in various fields of Mathematics. These TAs have produced more than 35 research papers in the reputed international journals. The faculty's teaching is oriented in preparing the students for research activities and NET/SLET examinations in mathematics. Students of this department have consistently performed well in all examinations and have successfully faced various academic challenges.

Structure of the M.Sc (Mathematics) Course:

The two years masters program in Mathematics has been designed to mold the students in taking up their career in research or teaching. The first two semesters focus on Algebra, Real Analysis, Topology, Discrete Mathematics, Operations Research, Linear Algebra, Complex Analysis, Differential Equations, and Functions of Several Variables. In the next two semesters, the subjects like Differential Equations, Complex Analysis and Topology are continued to higher levels along with the introduction of new subjects such as Measure Theory, Functional Analysis, Differential Geometry, Numerical Methods, Fuzzy Topology, Integral Transforms and Integral Equations. Higher semesters have advanced core courses emphasizing both theory and applications. In particular, in the final semester, the students can choose subjects based on their interest. The subjects such as Graph Theory, Nevanlinna Theory, Dimension Theory, Relativity, Ring Theory, Galois Theory, Number Theory, Differentiable Manifolds, Geometric Function Theory, Group Theory and Commutative Algebra have been introduced as elective papers. In addition, the students execute C-programs in connect to various numerical methods at computer laboratory for three semesters. In the

final year, the students should carry out a project work under the guidance of faculties, which helps them to understand the subject in view of applications and also to take up the research in future.



Asst. Prof. Ambika Ramachandran, Co-ordinator of M.Sc. (Mathematics) and Asst. Professor of BCA, Department of Computer Science (Professional Courses), Karnatak Science College, Dharwad.

Admission procedure for M.Sc (Mathematics) course:

The entire admission procedure is carried out by the Department of Mathematics, Karnatak University, Dharwad as per the reservation policy of Government of Karnataka.

In order to get admission into the department, the students should submit an application with required documents to the Department of Mathematics, Karnatak University, Dharwad during the period of that academic year mentioned by the University. Later, the seat will be allotted based on the merit list, which was prepared by considering the performance of the student in both undergraduate examinations as well as the entrance test conducted by the University. In total, 35 candidates are admitted to this course in every academic year under the self-financing category.

Extra curricular Activities: Through sports students learn to respect authority and rules. Sports increase mental alertness, reduces stress and anxiety in students. It creates discipline in a person. Every year, the department organizes indoor and outdoor games. Students are free to participate in any event of their interest. The outdoor games, such as, Cricket, Volleyball, Football, Track and Field Sports are organized in the college ground, while to organize indoor games, such as, Chess, Badminton, Carrom, etc., the college has got separate halls.

For the Academic year 2021-2022, the department has planned to organize workshop and webinars in association with IQAC Karnatak Science College, Dharwad. Students find it a privilege to be here because of the academic environment and the facilities provided by the P. G. Department of Mathematics, Karnatak Science College, Dharwad.

For further details, contact: Asst. Prof. Smt. Ambika Ramachandran, Co-ordinator of M.Sc. (Mathematics) and Asst. Professor of BCA, Department of Computer Science (Professional Courses), Karnatak Science College, Dharwad.

DEPARTMENT OF STATISTICS

The Department of Statistics was established in 1961, with a modest faculty. Over the last 59 years, the department has grown into a major center for teaching and learning Statistics, both Science and Social Science courses. The optional subjects taught are “Mathematical Statistics” for the B.Sc. Course, “Applied Statistics”, “Elements of Mathematics and Statistics” for the B.A. course and “Business Statistics” for the B.Com. course. For B.Sc. Students, they can opt for Statistics as one of the optional subjects along with Physics and Mathematics (PMS combination) or with Mathematics and Computer Science (SMCs combination) or Chemistry and Mathematics (CsMS combination).



L - R: Computer laboratory, Department of Statistics, KACD, Associate Professor A. S. Ainapur, Dr. S. R. Gani and Dr. (Smt.) K. M. Astagimath, Assistant Professors of the Department of Statistics, KACD.

There are four highly qualified permanent teaching staff members in the Department of Statistics, of whom three have Ph.D. degree, and there are six temporary lecturers. They are as follows:

1. Shri. A. S. Ainapur, Associate Professor
2. Dr. S. R. Gani, Assistant Professor
3. Dr. M. N. Megeri (H.O.D.), Associate Professor
4. Dr. (Smt.) K. M. Astagimath, Assistant Professor

Apart from teaching, the faculty members of the Department are actively engaged in research activities. They have published papers, are guiding Ph.D. students and carrying out Research Projects funded by the UGC and other funding agencies. At present, there are two research Guides, under whom four candidates already been awarded the Ph.D degree, and there are four regular students who are pursuing their Ph.D. degree. The alumni of the department are working in reputed Universities, Research Centers, IT and BT sectors and Government organizations in India and abroad. Late Girish Karnad, the well known play-wright, essayist and the recipient of Jnanapeeth award is an alumnus of the Department of Statistics.

Facilities provided by the Department of Statistics:

1. **Computer laboratory:** The department has a computer laboratory, which contains seven computers and two printers. The staff members and students use these computers for their research work, and to work out the results of practical problems in Statistics. The UG (B.Sc.) students also use these computers for their practicals.
2. **Practical Laboratory:** The department of Statistics has two laboratories, each one of them accommodating about 20 to 30 students to work on practical exercises in statistics. The Department of Statistics also provides Scientific Calculators to the students, to enable them to perform their practical work.

3. Lecture Hall: The Department has one Lecture Hall on the first floor of the main building. This lecture hall can accommodate one hundred students.

4. Library facility: The Department of Statistics has recommended about two thousand standard books on Statistics to be purchased by the Dr. V. K. Gokak Central Library of the college. In addition to these books which suit the student's need while pursuing the B.Sc. course, some standard National and international journals in Statistics are also available in the Central Library. In addition, a departmental library started functioning in the Department of Statistics from the year 2007, for the welfare of students. Here, books which are donated by staff members of the department, including the retired teachers, are kept for reference by students and staff members. There are 150 books in the departmental library.

5. Study Circle and Seminars: Prof. C. Mahalanobis Statistics Study Circle is a forum which has the objective of providing an opportunity for students to interact with their teachers and experts in the field of Statistics. In this forum, the Department of Statistics invites academicians to deliver special lectures on various topics in subjects related to Statistics. The Prof. C. Mahalanobis Statistics Study Circle is also involved in conducting Seminars for Students.



For further details about the Department of Statistics, contact: Dr. M. N. Megeri, Associate Professor and HOD of Statistics, KACD

DEPARTMENT OF SANSKRIT, PRAKRIT AND YOGA STUDIES, KACD

The Department of Sanskrit and Prakrit came into existence right from the inception of the college, in 1917. Prof. A. B. Gajendragadkar an eminent scholar was the first Professor of Sanskrit. A course of Yoga Studies was introduced in 1994 in Karnatak College and it was attached to the Department. Yoga Studies was taught for B.A. and B.Sc, as one of the optional subjects During this period, Dr.C.S. Naikar was the Head of the Department. Under the headship of Prof. M. N. Joshi for nearly twenty years, the department exercised a remarkable influence on students by conducting good functions like Sanskrit-Day, Vishwabharati (Poem reading of other languages), Kalidasa-Jayanti, Geeta-Jayanti, Studytour, Kaumudi Mahotsava (Moonlight Dinner) and Vayu Vihara every year Some of these events are continuing by the Department even today. After the retirement of Prof. L.V Panchamukhi in 2014,

- Dr Rajani H. took charge as the Head of the Department. As an organizing secretary, she has successfully conducted seminars, workshops and exhibitions, which include UGC Sponsored Two-day National Seminar on "Yoga Philosophy and Practice: Its Global Approach" held on 22 and 23 of August 2015, and One-day National Seminar on "Fine Arts in Sanskrit and Praakrit Literature" held on 20th December, 2017 in Collaboration with Karnataka Samskrit University, Bengaluru.students.

The students and teachers take the best advantage of the College Library (Dr.V.K. Gokak Library), which has a good number of Sanskrit, Prakrit & Yoga books and

journals. Apart from this, the department also has its own library. Sanskrit and Prakrit section has 315 books. The yoga section has 181 books.



Inaugural Function of One Day National Webinar On 'Contribution of Sanskrit Language in Enriching Indian Languages', Jointly Organized by IQAC and Department of Sanskrit, Prakrit and Yoga Studies, held on February 5th 2021



For further details, contact: Dr. Rajani H., HOD of Sanskrit, Prakrit and Yoga studies, KACD

DEPARTMENT OF ANTHROPOLOGY

Anthropology is the holistic science of man. It traces the evolution of man right from the time he was born. Anthropology always endeavors to cover all the facets of human existence, including socio-cultural, biological, linguistic and historical aspects, without being confined to space and time. Anthropologists seek answers to a wide variety of questions related to man. They are interested in discovering when, where and why humans appeared on earth?; how and why they have changed since then?; and how and why modern humans are not one and same in their physical features.

Anthropologists also study how and why societies in the past and in the present have varied customs and practices? Anthropologists specialized in Applied Anthropology apply Anthropological methods and information to seek solutions to practical problems of humans. Clyde Kluckon a great anthropologist, considered Anthropology as 'Mirror of Man'. The main aim of this discipline is to understand human nature, both at level of an individual and at cultural and global level. Anthropology in recent years is attracting more and more students because of the varied career opportunities it offers. To cite a few, the students opting for Anthropology have job prospects in Anthropological Survey of India, Museums,(at Centre, state and district levels), Indian Council of Medical Research(ICMR), ICSSR, Indira Gandhi Rashtriya Manav Sangrahalaya, Tribal Research Institute, Forestry Sector Development Projects, Directorate of

Women and Child Development, IIFM, Institute of Languages, Institute of Archives, Department of Urban Planning, Ministry of Culture, Ministry of Tribal Affairs, Ministry of Minority Affairs, NIN, NGOs, Population Research Center, National/Regional Medical Research Centers, UNESCO and UNICEF projects, UPSC, etc. as Scientists, Project Officers, Research fellows, Curators and Technical Development Officers along with teaching opportunities available at Central and State universities all over the country.

The subject of Anthropology is taught for both, the Arts and Science Courses. The Department of Anthropology was set up as a branch of Sociology at Karnatak Arts College in 1960. It became a separate department in 1971. Anthropology was taught as major and minor subject for Arts course from 1960. In 1975, Anthropology was introduced as Minor subject in Karnatak Science College.

In 1988, Anthropology was taught as one of the optional subjects, for both B.A and B.Sc courses. Practicals were introduced for B.Sc course in 2016 and subsequently for B.A in 2020. The department has a well equipped Anthropological laboratory with all necessary infrastructure. To enhance practical knowledge of students, they are taken to tribal hamlets, cancer hospital, Anthropological survey of India and other such places of Anthropological interest. The top scorer in Final degree course will get the Dr K.G. Gurumurthy Gold Medal at Karnatak University's annual convocation. The Department has well qualified teaching staff namely Dr.(Smt) Aruna Hallikeri (HOD) and Dr. V. Jagdeesh.



Left to Right: Dr. Smt. Aruna Hallikeri (Associate Professor and HOD of Anthropology), Dr. Smt. Aruna Hallikeri with students in the laboratory of the Department of Anthropology and Dr. V. Jagadeesh (Associate Professor of Anthropology, KACD).



For further details about the Department of Anthropology, contact: Dr.(Smt) Aruna Hallikeri, Associate Professor and HOD, Department of Anthropology, KACD

DEPARTMENT OF KANNADA

The Kannada Department is one of the oldest Departments in KCD.

VISION: Create department of national repute to pronounce the eminence and significance of Kannada language and its classical prospects.

MISSION: Create and develop an exclusive academic work-culture leading to the enhancement of intellectual property of the department.

SALIENT FEATURES OF THE DEPARTMENT OF KANNADA:

- Established in the year 1921
- Linguistics wing was started in the academic year 1974-75 when Dr. R. C. Hiremath, a well known linguist, of India was the Vice-Chancellor of the Karnatak University.
- Folk Literature wing was started in the academic year 2002-03.



Associate Professors in the Department of Kannada, KCD; Left to right : Dr. D. B. Karadoni (Principal of KACD), Dr. (Smt.) M. R. Hiremath (HOD), and Assistant Professors: Dr. B. S. Bhajantri and Dr. Vamdev Talawar.

There are five permanent faculty members in the department. They are experienced teachers and three of them are Associate Professors. Two are Assistant Professors. Some of our senior teachers are the members of the Board of Studies at different Universities. The department of Kannada has three sections. One section deals with Kannada languages and literature. The second section deals with languages and linguistics. The third one deals with folk literature. As these are inter-related disciplines, their main aim is to explore the knowledge regarding Kannada, Karnataka and Kannadigas. So an attempt has been made to teach Kannada language and literature in the light of the knowledge of Linguistics and Folk literature.

Teaching staff members in the Department of Kannada, KACD are listed:

1. Dr. D. B. Karadoni, Associate Professor & Principal
2. Dr. (Smt.) M. R. Hiremath, Associate Professor & HOD
3. Dr. B. S. Bhajantri, Assistant Professor
4. Dr. Vamdev Talawar, Assistant Professor

The faculty members in the Department of Kannada play an important role in redesigning the syllabus, based on their experiences in teaching at the college and feed back from the students. So changes have been brought by the teachers in the curriculum. For example communication skills, different linguistic domains are being taught to the students in the functional kannada classes.

For further details, contact: Dr. (Smt.) M. R. Hiremath, Associate Professor & HOD of Kannada, KACD.

DEPARTMENT OF ENGLISH

The English department of KCD is as old as the college. The department was established in the year 1917.

VISION :

- To create awareness regarding the need of importance of English in today's competitive world
- To make the students of this Department globally competent.

MISSION :

Creating a keen interest in language and literature and hereby developing their literary skills and humanistic attitudes.

At present the department is having two sections. One deals with Language and Literature, whereas the other deals with Functional English. Functional English caters to the needs of corporate world wherein business etiquettes are taught.

The English study circle conducts several activities every year for Optional and Functional English students. Extra-curricular activities provide a platform to the students to exhibit their abilities and develop leadership qualities.

STAFF MEMBERS (TEACHING STAFF):

There are nine permanent faculty members in the department. Four of them are Associate Professors and the rest five are Assistant Professors.

1. Dr. (Smt.) S. A. Jalihal, HOD and Associate Professor
2. Smt. K. A. Gaonkar, Associate Professor
3. Dr. M. K.V. Lamani, Associate Professor
4. Dr. P.S. Subrahmanya Bhat, Associate Professor
5. Smt. Joan Leela Madtha, Assistant Professor
6. Dr. (Smt.) Vibhavari S. Kulakarni, Assistant Professor
7. Dr. Stella Steven, Assistant Professor
8. Dr. Channabasappa Inalli, Assistant Professor
9. Shri. Veerendra Yadav, Assistant Professor



Associate Professors in the Department of English; (Left to Right:) Dr. (Smt.) S. A. Jalihal (HOD), Smt. K. A. Gaonkar, Dr. M. K.V. Lamani and Dr. P.S. Subrahmanya Bhat.



Assistant Professors in the Department of English; (Left to Right:) Smt. Joan Leela Madtha, Dr. (Smt.) Vibhavari S. Kulakarni, Dr. Stella Steven, Dr. Channabasappa Inalli and Shri. Veerendra Yadav.

For further details, contact: Dr. (Smt.) S. A. Jalihal, HOD and Associate Professor, Department of English, KACD.

DEPARTMENT OF HINDI

The Hindi Department of KCD was established in the year 1953, with Prof. S. V. Bhat as the first teaching staff-member. From 1958 onwards, Hindi was introduced both as Major and Minor subject at the B.A. level. In 1959, post graduate instruction in Hindi as a subsidiary subject started in KACD. Subsequently, provision for the entire Hindi course was made from 1960. Dr. S. S. Kattimani of the Department of Hindi was promoted as a Principal of Karnatak Arts College in March 2011. Functional Hindi course is introduced in KCD from the year 1994. The Hindi language laboratory is equipped with computers and type writers, for training the students of Functional Hindi.

Now, the department of Hindi has one permanent staff member; Dr. Z. A. Gulagundi (Head of the Department) along with the Three Teaching Assistants and Two Guest Lecturers.

FEATURES AND OBJECTIVES :

The B.A., B.Sc. and B.Com courses extending over three academic years provide teaching and guidance for acquiring a thorough knowledge of Hindi language and literature. These courses mainly aims at exposing the young generation to the nature, usages and terminology of Hindi, which is recognized as the official language of the Union by the Constitution of India.

SCOPE :

These courses are intended to make the students efficient to go straight away in to the job desks or to help them to take up self employment. These courses match the present and future employment opportunities.

PROSPECTS :

One becomes eligible for Job-oriented courses, several trades and employment such as

1. M.A. Course in Hindi
2. Post-Graduate Diploma course in Functional Hindi
3. Post-Graduate Diploma course in Translation
4. Employment as a Translators and Hindi Assistant
5. Employment as Journalists and Reporters.



Dr. Zakir A. Gulagundi, Assistant Professor and Head of the Department of Hindi, KCD

For further details, contact: Dr. Zakir A. Gulagundi, Assistant Professor and Head of the Department of Hindi, KCD

DEPARTMENT OF URDU AND PERSIAN

The Department of Persian and started in the year 1918, with the appointment of Prof. A. M. Moulvi as Lecturer. Mr. A. M. Khatib joined as assistant lecturer in 1920. Pass course in Persian & Urdu was introduced in 1920. Honours course in Persian was introduced in 1921-22. In 1958, when the college was taken over by the Karnatak University, the Department of Urdu and Persian was adequately staffed to be able to introduce the then new three year degree course. During 1968-69, Urdu was introduced as Major subject for the under Graduate courses and during 1970-71, it was made a principal subject at the post graduate level. The Post-Graduate Department was shifted to the University campus in July 1997; till then the P. G. Department was housed in Karnatak College.

The department offers Urdu as Basic and optional Subject to BA/BSC/B. Com/BSW students. The department of Urdu has an active study circle named as Bazm-e-Adab; the academic activities of the department are conducted through this study circle. On rotation basis, the senior teacher from the department is appointed as chairperson, who looks after the activities of the academic year. Bazam-E-adab conduct activities, such as debate, Elocution, Quiz, Bait-Bazi, pick & speak, Essay writing competition, etc regularly with an intention to provide better stage for students to enhance the knowledge and communication skills. The certificates and prizes are given to the winners in the valedictory function. The staff members of the Department of Urdu and Persian are as follows:

1. Dr. (Smt.) S. A. Kolar, Associate Professor
2. Dr. (Smt.) Saiyad Yasmin Fathima, Associate Professor & HOD



Associate Professors Dr. (Smt.) S. A. Kolar and Dr. (Smt.) Saiyad Yasmin Fathima (HOD) of the Department of Urdu and Persian, KCD.

For further details about the Department of Urdu and Persian, contact: Dr. (Smt.) Saiyad Yasmin Fathima, Associate Professor & HOD, Department of Urdu & Persian, KCD

DEPARTMENT OF MARATHI

The department of Marathi was established in KCD IN the year 1937. Dr. S. G. Tulpule, popularly known as ‘Sham Go’ was a great scholar of Old Marathi literature, which covered Sant Sahitya of all the Saints. Various literary, theatre and film personalities including renowned poets used to attend the department of Marathi and deliver special lectures. At present Dr. Y. S. Raut is working in the Department. The subject, Marathi, is offered both as a basic and an optional subject for UG students. During the academic period of three years (Basic UG course), students are made to study prose and poetry, Biographies and Autobiographies Travelogue & Reports, History of Old Marathi literature and Modern Marathi literature through various texts.



For further details about the Department of Marathi, Contact: Dr. Yashwant S. Raut, Assistant Professor and HOD of the Marathi Department, KCD.

DEPARTMENT OF FOREIGN LANGUAGES

In the year 1944, the Department of Foreign Languages was started with creation of the post of Assistant Lecturer in French. The Department of Foreign Languages consisted of teachers who taught French, German and Russian since its inception. Dr. S. S. Herlekar with Ph.D. in Hindi and M.A. in French joined the department as lecturer in French in the year 1980. She also became the Principal of Karnatak Arts College for almost a year, before she eventually retired in the year 2012.

In the year 1986, Dr. Prema Hallikeri joined the department as lecturer in French. She was a M.B.A. and had a M.Phil. degree in French from Pondicherry Central University, Ph.D. in French from the English and Foreign Languages Central University [EFLU], Hyderabad. At present, only the courses in French are running in the Department of Foreign Languages of Karnatak Arts College. The German courses have closed down due to want of teachers in German. The courses running in French are Optional and Basic French at Degree levels [B.A., B.Com., B. Music, etc].

For further details, contact: Dr. D.B. Karadoni, Principal, KACD.

STUDENT WELFARE OFFICE

Student Welfare Office is an important component of college or any institution. It plays vital role in assisting students to get their problems solved. Student Welfare Officer (SWO) will support students with safeguarding and/or welfare issues, to ensure that they are successful in conducting their programs. SWO is the first staff member to be approached by students with problems of a non-academic nature (mainly). Hence, the Head of the Institution or Principal will appoint any one of permanent faculty members based on his or her experience as Student Welfare Officer to assist students. SWO will assist Principal in organizing an “Induction program” for fresh students, Parents Meet, Academic Programs such as seminar competitions, Education Trips conducted by few departments as a part of curriculum. SWO will link the students with Non - Governmental Organizations (NGOs), and provide an opportunity for students to take up social activities or similar events. This helps students to understand social, economic problems faced by society and will turn them into responsible citizens, in future. SWO helps in organizing campus interviews in association with placement officer of the

college. SWO gives required guidance to eligible students, to get various Scholarships, offered by Government and Non- Governmental funding agencies. SWO helps all students to open their saving bank account by giving the required introduction. Students always approach SWO to get their documents attested, as attestation by SWO is very much needed while applying for scholarships, exams, jobs and for other higher level courses. In this college, SWO is the member of selection committees for admission to both boys and girls hostels. During extraordinary situations like Covid-19 pandemic, the SWO bridges the gap between stake holders and college administration, and hence helps all students get proper medical care. Thus, SWO will connect and build a rapport with a wide range of stakeholders and respond appropriately to their needs.



For further details, Contact: Shri. M. R. Ranganath, Associate Professor and HOD of Physics, Student Welfare Officer (SWO), Karnatak Science College, Dharwad.

Kaveri Girls Hostel, Karnatak College Campus, Dharwad

Kaveri girls hostel is located in the campus of our college; the students residing here can reach any department of the college within 2 to 3 minutes. The hostel has two blocks (block I and block II); both are in same compound. The total capacity of the hostel (block I + block II) is around 500. The admission is done on the merit basis for the first year degree students. There are 100 rooms in block I with a general hall and 55 rooms in block II with a general hall.



Dr. (Smt.) Keerthi Asthagimath, Dr. (Smt.) Geetha N. Chavan, the wardens of Girls Hotel (Kaveri Hostel Block 1 and Block 2, respectively) other staff members of the hostel and the ladies hostel inmates have assembled for a function in the Kaveri Hostel Premises (Left). Independence Day Celebrations in Kaveri Hostel premises (see picture on the right).

There are two wardens, who are permanent staff of our college (one for each block). There is a very cooperative administrative staff in hostel that do all the admissions and other office work. There are various Student secretaries (General, Cultural, Health, Sports, Mess, Lawn and Wing secretaries) elected by the students themselves, who take the responsibilities of the respective department and a student secretary (mostly from degree final year). Soon after the selections of the student secretaries, official welcoming of new hostel students is done.



Dr. (Smt.) Keerthi Asthagimath (Left), Warden of Kaveri Hostel (Block I) and Asst. Professor, Department of Statistics, Karnatak Arts College, Dharwad and Dr. Geeta Chavan (Right), Warden of Kaveri Hostel (Block II) and Asst. Professor, Department of Physics, Karnatak Science College, Dharwad.



All National and State festivals, like Independence Day, Karnataka Rajyotsava, Republic Day, Gandhi and Shastri Jayanti, Swami Vivekananda Jayanti and Dr. B. R. Ambedkar Jayanti are celebrated in the hostel. Apart from these celebrations, there is also the culture of conducting Hostel Day, where a renowned woman achiever is invited as the Special Invitee.

Facilities:

- Mess (provides good food in time according to university guidelines)
- Reading room (News papers :English and Kannada and Monthly magazines: competitive)
- TV room
- Solar water heater
- 24/7 security guard
- Watchmen at night
- Facilities for basic indoor games for girls

Godavari and Tungabhadra hostels for boys

Karnatak Science College, Dharwad is providing hostel facility for the Boy students of B. Sc., B. Sc. (CS) and BCA courses. The students admitted here are from remote areas and different districts of Karnataka state. The students are selected as per the merit and Karnatak University Guidelines.



A view of the Godavari (Left) and Tungabhadra (Right) Hostels for Boys studying in K.Sc.C.D.

The selected students are accommodated in Godhavari and Thungabhadra hostels, which are located at Keshavanagar, Railway Station Road, Dharwad, very near to the college campus (Walk-able distance). Both the hostels are well equipped with good lighting, drinking water, hygienic toilets, bath rooms, spacious rooms, individual cot and table facilities. Presently 99 students have taken admissions in both the hostels and for the coming academic year (2021-22), 35 vacancies are available. In the hostel premises, National festivals are celebrated; also cultural and sports activities for the students are conducted regularly. Dr. Rajappa S. K., Assistant Professor, Department of Chemistry is the incharge of hostel warden for boys. All the three hostels for boys are supervised by the higher authorities of Karnatak University, Dharwad.



For further details, contact: Dr. RAJAPPA S K. (Boys hostel incharge Warden), Assistant Professor, Department of Chemistry, Karnatak Science College, Dharwad.

Dr. V. K. Gokak Library at Karnatak College, Dharwad

A well-equipped and well-managed library is the foundation of modern educational structure. The importance of library in education can be appreciated properly and precisely only if we try to understand the changing concepts of education. Today, education bereft of library service is like a body without soul. Education and library service are twin sisters and one cannot live apart from the other. The Karnatak College library has been catering to this thirst for knowledge to the users of Karnatak College since its inception. In the beginning, the library was housed in the main Arts College building. Later, in 1977, the library was shifted to its present abode. The College library was known as the Central Library till 1991. It was renamed as “Dr. V.K. Gokak Library” on 1st January 1992, in the very presence of late Dr. V.K. Gokak, who was an eminent Principal of this college and a Jnanapeeth awardee; the library is a fitting tribute to his memory, as the esteemed Karnatak College, Dharwad reached its highest glory during his tenure as the College Principal. The College library also has its own departmental libraries, located in different departmental buildings spread over the college campus.

Library Advisory Committee:

Library committees are generally appointed for improving the library services and framing of policies to coordinates the library services and helps to provide high class library services. Dr. V.K. Gokak library has a library advisory committee for the effective functioning of the library. The committee comprises

- Chairman: Principal, Arts/ Science
Member: two senior faculties (Arts and Science College)
Member: Two Student's Representatives
Secretary: Librarian.

The main functions of the Library advisory Committee are;

1. To prepare budget proposals for the development of the Library
2. To formulate a development plan for the library.
3. To suggest the Librarian on the distribution of funds made available for the purchase of books, journals and other academic requirement.
4. To recommend to the authorities for collection of fees and other charges for the use of the Library.
5. To prepare the collection development and selection policy for library.



6. To upgrade towards modernization and improvement of Library and library services accordingly to the needs of the user.

7. To contribute a wider vision in building the future shape of Library services

8. To enhance the library aims towards the collection management and services, to

establish advanced techniques for blended e-learning and e-learning process with professional touch.

Vision:

Knowledge base, to empower the student community and the nation to create a just and Humane Society.

Mission:

To promote, and foster a culture of high quality teaching and learning process. Library is to provide access to information resources, services and in support of the evolving curriculum of the college.

Library Hours:

All working Days: 10.30 a.m. to 6.00 p.m.

Saturday: 10.30 a.m. to 2.30 p.m.

Sunday : Holiday

Working hours of Library during the Exam Time :

All working Days: 08.00 a.m. to 8.00 p.m.

Saturday: 08.00 a.m. to 6.00 p.m.

Sunday : Holiday



Dr. V. K. Gokak Library (Central Library), KCD campus



Computer / internet facility and Drinking Water facility at Dr. V. K. Gokak Library (Central Library), KCD campus



BSc. (left) and BCA (Right) home issue sections at Dr. V. K. Gokak Library (Central Library), KCD campus

Details about the infrastructure (Dr. V. K. Gokak Library):

Total area of the Library: 3440.52 Sq. m.

Total seating capacity: 450

Total Number of Collection: 1, 82,308

Total Number of Periodicals:

Journals/ Magazines/ Newspapers: 31

Finance Source: UGC and College grant

Book Collection: General, Reference, Text, Rare books, French, Hindi, Kannada, Urdu, Sanskrit, Archeology, criminology among many others.

Total seating capacity: Students: 450 & Staff: 17

Ground Floor:

- Spacious Reading Hall, Separate Reading Hall for ladies
- Reference Counter
- Home issue sections for B.A. , B.Sc. , B.B.A. and B.Com

- Binding and Xerox section
- Ladies and Gents rest rooms

First Floor:

- Reading Hall 2.
- Newspaper and Journal section.
- Library office.
- Librarian chamber.
- UGC and Technical section.
- Internet section.

24/7 Reading Room

- To facilitate 24/7 reading room facility for the students.
- Total seating capacity: students: 100.



Book issue section (left) and Book binding section (Right) home issue sections at Dr. V. K. Gokak Library (Central Library), KCD campus

Library Collection:

The library has a unique collection comprised of different subjects such as Arts and Humanities, Basic Sciences, languages such as English, Kannada, Urdu, Sanskrit, Persian, French and Hindi. The library has a rare and rich collection of reference books like Gazetteers, Dictionaries, and encyclopedias which are useful for faculty and research scholars. The present collection of the library is 1, 82,308.

Binding section:

The library has separate binding section, the back volumes of journals and rare collection of the library are taken utmost care and it also supports the binding works to upkeep the departmental libraries and other miscellaneous bindings.

ICT Infrastructure:

The library has Separate internet section to the students in the UGC section. The students are provided 10 computers with internet facility. The students and staff can access the UGC INFLIBNET-NLIST consortium where you can access to 6237+ e-journals and 93809+ebooks.

The library has 16 computers with internet connectivity and 01 laser printer cum copier for the office purpose.

Library Automation:

The e-lib software is used for library automation. The Barcode of the books is being in process and the collection of the library is huge.

Physical Amenities:

- The library has drinking water facility in the premise.
- The provision of rest rooms for gents and ladies are provided separately.

Library Staff:

Library staff plays an important role for the effective and efficient functioning of library. The present staff of Dr. V.K.Gokak Library is as listed in the following table.

SL. No.	Library Staff	Number
1.	Principal (I/C Librarian)	01
2.	Asst. Librarian	03
3.	Library Assistant	04
4.	Senior Assistant	02
5.	Binder	01
6.	Asst Binders	02
7.	Attenders and Peons	04
	Total Number of Staff	17

Library Services:

- Providing identity cards and home issue cards to the students, for authentication and authorization.
- Lending of books in home issue section.
- Reference counter for reference reading in the library premises.
- The books are issued in UGC section for a period of one semester based on the selection process based on merit.
- Reference reading facility for U.G. and P.G. students in UGC section. The students can avail this facility along with regular reading of syllabus oriented books on submission of college identity cards.



Left: Students referring books in the reference section of the Dr. V.K. Gokak Library, KCD. Right: Shri. Ashok M. Alakatti, Asst. Librarian, Dr. V. K. Gokak central library, KCD

- Newspaper, Magazine and Periodical section is provided to the students.
- Along with text books good numbers of reference books are made available to library users.
- Reprographic facility is made available to students, staff and research scholars.
- Internet facility is provided with UGC NLIST Programme. Library staff assistance in searching the database.
- Inter library loan facility is provided to students, staff and research scholars of our sister concerned collages and also to our Karnataka University staff and students.
- Career guidance for competitive exams and higher education.

- Newspapers Clipping service is provided.
- The library automation software (e-lib software) is installed and the work is in process. The students and staff can access the OPAC facility.
- User Orientation Programmes are conducted for the new students to make use of the library effectively.

Library Rules and Regulations:

- It is obligatory on all students of the college to be members of the library.
- It is mandatory for the students to bring the Identity cards to the library.
- Books will be issued only on presentation of the college Identity card of the students.
- The users of the library shall not write, scratch, mark or damage the library books, if so fine is levied.
- The students, staff and research scholars have to sign in the attendance register in the counter.
- The students have to maintain silence and abide by the rules and regulations of the college library.



Left: Group photo of staff members, Dr. V. K. Gokak Central Library, KCD. Right: Newspaper and magazine reading are (Standing)

For further details, Contact: Assistant Librarian Shri. Ashok M. Alakatti, Dr. V. K. Gokak Library, Karnatak College, Dharwad

SPORTS ACTIVITIES



Left: Kho- Kho game in progress, in the KCD ground. Right: Football game in progress, in the ground in front of the Department of Physics, KScCD.

The students of K.Sc.C.D have a wonderful opportunity to take part in various sports



activities. The Physical Director (PD), Shri D. B. Govindappa, on the advice and support of the chairpersons and the student secretaries of different departments of the college Gymkhana organizes and conducts various sports activities in the college. Many students of the college have actively participated in different sports activities. The PD has trained good athletes and players in various games. The college has good infrastructure for indoor and outdoor games. There are

two main playgrounds in the college campus. There is a 400 metre athletic track with eight lanes, a cricket ground, a foot ball and hockey ground, basket ball court, Volley ball court, Kho -Kho, throw hall and kabaddi courts. In addition, there are ball badminton, tennikott and tennis courts in the college campus.

There is a well maintained “Indoor Hall” for shuttle badminton, table tennis, chess and gym facilities. The college gymkhana provides standard equipment for selected teams to participate in tournaments. In addition to fee concession, the Gymkhana also provides diet and pocket money for outstanding sportsmen. Also, there is a provision for free medical check-up of sportsmen by experienced doctors. The outstanding sportsmen are honored in a function (Pratibha Puraskar) arranged in the Srijana Auditorium at the end of the even semester, each year.

For further details, contact: Shri. D. B. Govindappa, Physical Director, Karnatak Science College, Dharwad.

GYMKHANA: Department of Cultural Activities

The Cultural Activities is one of the important departments of Karnatak Science College Gymkhana, Dharwad. Cultural activities include various performing and non-performing arts which are unique, and nurture the talent of the students. It is the culture hub for the faculty and students of our prestigious, century-old Institute. Karnatak Science College , Dharwad is not just an institute for home learning and knowledge; it also has a significant number of musicians, artists and sports persons who have represented themselves and the Institute at various levels. The Gymkhana provides all possible facilities, infrastructure and support, so that students can pursue extracurricular activities along with their academic work. The department of Cultural Activities conducts all the cultural activities of the college.



Left: The Registrar of KScCD inaugurating a Gymkhana function of KScCD, in Srijana Auditorium in KCD campus. Right: The Principal, Dr. (Smt.) A. S. Bellad addressing the gathering on the occasion of Republic Day.

Every year, the academic year starts by celebrating and remembering the founders of the College on 9th of August, immediately followed by Independence day celebration. The department has a chairperson a (permanent faculty of the college) and a student secretary (mostly from degree final year). The selection of the student secretary is done purely on merit basis, according to the laws of gymkhana. Soon after the selections of the student secretaries, the Inauguration function of cultural activities for the academic year and official welcoming of the first year under-graduate students is done (generally in the 4th week of August). Renowned personalities are invited as special guests for every function organized by the department of cultural activities.

The department takes the responsibility of conducting all National and State festivals, like Independence Day, Karnataka Rajyotsava, Republic Day, Gandhi and Shastri Jayanti, Swami Vivekananda Jayanti, Dr. B. R. Ambedkar Jayanti and Founders Day, Siddappa Kambli day, Valmiki Jayanti, Kanakadas Jayanti and Basava Jayanti. Various functions are organized by the Department of Cultural Activities, Karnatak Science College, Dharwad. Many dignified chief guests, who are experts in their field, are invited to address the students, thereby enhancing the knowledge of students and motivating them to achieve something great in their life. It is the culture in Karnatak Science College, Dharwad, to honor the achievers in both academic and also non academic (that is, extracurricular activities) streams at the end of each academic year, by conducting the PRATIBHA PURASKARA FUNCTION.

For further details, Contact: Dr. Geeta Chavan, Chairperson of the Department of Cultural Activities, Karnatak Science College Gymkhana, Dharwad; Asst. Professor, Department of Physics, Karnatak Science College, Dharwad.

GYMKHANA: Department of “Youth Festival”

Youth festival is one of the wings of the college gymkhana having the responsibility to nourish the talents of our students, other than curricular aspects. The student secretary of the youth fest will be chosen, one who has scored highest marks in their curriculum. The students are selected via audition by experts, for different categories of activities like folk dance, music, drama, mime, painting, photography, collage, mehendi, rangoli and many more. The selected students are further trained (if required, professionals are hired for training the students) in the respective activity and are taken to participate in the inter-collegiate youth fest competition.



Left: Students of Karnatak Science College, Dharwad are the runners-up in inter collegiate youth fest for 2019-20. Right: The celebration of students of Karnatak Science College, Dharwad when they were declared the runners-up of the inter collegiate youth fest for 2019-20.



Valedictory function of inter collegiate youth fest in Nehru college. Students of Karnatak Science College, Dharwad are the runners-up in inter collegiate youth fest for 2019-20.

Further, achievers in these fest are selected to participate in the inter-zonal youth fest conducted by University (Unifest) and winners in this competition are automatically chosen for participation in the South zonal youth fest. The students of Karnatak Science College, Dharwad have won 11 prizes in different categories during 2018-19), and three of them have participated in the Unifest for elocution, music and singing. One of them has represented the Karnatak University in south zone youth festival. Students of Karnatak Science College, Dharwad are the runners-up in inter collegiate youth fest for 2019-20. About twenty nine students from Karnatak Science College, Dharwad have

participated in Unifest in different categories like mimicry, cartooning, on the spot painting, collage, spot photography, group song, folk orchestra and dance. They have obtained the first, second and third prize in cartooning, folk dance and folk orchestra, respectively, and one of them has represented the Karnatak University, Dharwad in the south zone youth festival. Apart from this, the students also participated and won several prizes in the quiz competition conducted by the postal department and akashvani. Several students also participated in cultural programs conducted by different organizations.

For details, contact: Chairperson of “Youth Festival” department of Gymkhana, Asst. Prof. Smt. Jyothi S. Doddamani, Department of Physics, Karnatak Science College, Dharwad

GYMKHANA: 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. 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 about handling different situations, and also to enhance their 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. It helps them understand the scientific research scenario of the country and various National institutes of higher education, provides employment opportunity, and 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 Reading room department provides daily news papers like Prajavani and Deccan Herald to the students which is kept in “Students Home”, for reference in their leisure time. It also provides Weekly magazine like Sudha, Women’s Era which helps for the overall development of the lady students, other magazines such as Science Today, India Today, Current Affairs, Competition Success, Spardha Spoorti are helpful for the students to take up Public Service Exams like IAS, KAS, IPS and Banking screening examinations.

For details, contact: Chairperson of “Reading Room” department of Gymkhana, Dr. Smt. Reshma Nesargi, Department of Physics, Karnatak Science College, Dharwad.

Akka Association

Akka Association is a unique association comprising of all the lady teaching faculty, girl students of M.Sc., B.Sc., B.C.A., and also the non-teaching lady staff members of

the Karnatak Science College, Dharwad; all these ladies are the members of this association, which has a Chairperson and two student representatives. As the name suggests, 'AKKA' means an elder sister; the association takes care of the girl students and lady staff members. Its main motto is to strengthen the girl students in all aspects, and to build a happy and healthy environment among them.

The Akka association organizes Workshops, Special Lectures and Extension programmes, giving priority to women education, awareness of law, Health issues and women entrepreneurship. Students are encouraged to participate in various programmes, seminars and conferences in the different fields, which are arranged not only in the college, but also other institutions. It also provides a platform for the girl students to come out with their hidden talents, like Dance, Music, Rangoli, Painting, Debating, and Cookery, by conducting various competitions.

The AKKA association also has the responsibility of two more important units, details of which follow.

1) A counselling cell "SNEHA" where counselling sessions are arranged for the benefit of girl students by inviting psychiatrists and also medical professionals from the field of Gynaecology.

2) Anti-sexual Harassment cell:- This is concerned with solving the problems of ragging or any other harassment faced by the girls in the society.

The Chairperson, Girls representatives (Secretaries) and all the Ladies staff of the College are actively involved in the functioning of this association. The work done by this association is highly appreciated by the members of NAAC committee.

For further details, Contact: Dr.(Smt) Mangala. S. Nayak, Chairperson, Akka Association, Karnatak Science College, Dharwad.

NCC Activities

Our College has a National Cadet Corps (NCC) Army wing with the motto "Unity and Discipline". NCC is engaged in grooming the youth of the country into disciplined and patriotic citizens. The NCC is a voluntary organization which recruits cadets from students studying in Degree (UG) courses in our college (K.Sc.C.D).



Left: Photograph of the NCC cadets who took part in the Republic Day Celebrations along with Principal, NSS Officer and other staff members. Right: Photograph of Shri. Rajshekhar V. B., CTO, NSS Officer of the NCC Unit (24 battalion NCC Karnatak and Goa directorate).

The NCC unit in our college works under the supervision of 24 battalion NCC Karnatak and Goa directorate. The total intake of the Unit is 160. Registered cadets are given basic military training in small arms and parades. Students are encouraged to attend different camps as a part of the NCC program, like Republic day camp, ATC

camp, TSC camp and CATC camp. The cadets with leadership qualities are chosen as SUOs and JUOs.

For further details, contact : Shri. Rajshekhar V. B, CTO

Assistant Professor (BCA/ B.Sc. (CS)), Karnatak Science College, Dharwad.

NSS Activities

Karnatak Science College has a well established NSS Unit consisting 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 programs. NSS helps to develop sense of social and civic responsibility. The NSS unit of Karnatak Science College regularly conducts a number of programs every year in order to help the college and also the society. Some programs conducted by the NSS Unit of K.Sc.C.D are listed here.

- NSS volunteers regularly participate in campus cleaning activities in the name of “Shramadana”. In this, volunteers are involved in “Plastic free campus programme” and “cleaning campus programme”.
- Every year, fifty NSS volunteers participate in the “seven days rural NSS camp” conducted in selected village. In this camp, students develop leadership qualities, cleanliness of society and self confidence. Every day, there is a special lecture by resource persons from different fields. Cultural activities by students is one of the highlights of the NSS camp.
- NSS volunteers celebrated “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. NSS volunteers are regularly participating in different National festivals.
- NSS volunteers of our college participated in Covid-Vaccination awareness programme on 26th April 2021. In this programme, free face masks were distributed to poor people and the volunteers created awareness about the Covid vaccination. In this campaign, University NSS co-ordinator Dr. M.B. Dalpathi, NSS Nodal officer Dr. Nyamti and also programme officers and volunteers of different colleges of Hubli-Dharwad participated .
- NSS volunteers participated in plastic eradication programme on the day of Gandhi Jayanti; the NSS volunteers visited a number of houses in Dharwad to create awareness about the bad effects of plastic in society. The NSS volunteers collected road side plastic waste and them handed over to the HDMC, for safe disposal.
- In the Covid-19 Lockdown situation, NSS organized a Webinar on 05/06/2021 in order to create awareness about environmental protection. The resource person from Mangalore University, Dr. Ramesh Gani explained about environmental protection with a number of examples.
- Plantation programme was conducted in the KCD college campus on 28th June 2021. The HODs of all the departments of K.Sc.C.D participated in this plantation programme.
- The NSS volunteers participated in the Covid vaccination camp conducted in Karnatak Science College on 30th June 2021



Left: NSS volunteers pose for a group photograph along with the Principal, NCC Officer and the Chairpersons of different departments of K.Sc.C gymkhana, Dharwad. Right: NSS Volunteers of Karnatak Science College pose along with the NSS officer, Dr. S. S. Mangalawade, during cleaning programme in the college campus.

- Radhika Bhajantri and Arunkumar Muttagi of PCM Combination participated in the “Seven day University level Leadership Training Camp” conducted in Karnatak University Campus, Pavate Nagar, Dharwad from 07/01/2020 to 13/01/2020 under the theme of 150th Birth Anniversary of Mahatma Gandhi and NSS Golden Jubilee Celebration.
- Radhika Bhajantri, NSS volunteer of KCD won the first Prize in Special lecture competition in this seven day University level leadership training camp conducted in Karnatak University Campus, Dharwad from 07/01/2020 to 13/01/2020
- A seven day NSS Camp was conducted from 03/03/2020 to 09/03/2020 at Shalmala Hostel, Karnatak University Campus, Dharwad. Different resource persons, from various fields, gave lectures about “Swacha Bharat Abhiyana”, “Plastic free campus”, “Personality development in volunteers”, “Roll of NSS in Society” among many others. NSS volunteers developed self confidence and leadership qualities in this NSS camp.
- The following NSS volunteers, namely, 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 Yoga Sparsha Pratistana (SPYSS) at Deshpande foundation, Hubli.
- Ex-vice chancellor Dr T.M. Bhaskar participated in plantation programme in college campus on 09/02/2020
- On 22/01/2020, Ex-Principal Dr. C.F Mulimani gave instructs to the students in the NSS programme called “NSS - the path of progress” .
- On 2-10-2019 [Mahatma Gandhi Jayanthi], the NSS volunteers participated in the programme entitled “plastic eradication in society” and collected waste plastic s and handed over to H.D.M.C
- NSS unit of Karnatak science college was appreciated by Karnataka University as best NSS volunteers and best Programme Officer during the year 2019-20.
- Guruprakash Reddy, B.Sc. V Semester of Karnatak Science College, Dharwad, participated in National Integration Camp, 2020 from 26/02/2021 to 04/03/2021 at Karnatak University Campus, Dharwad.

For further details about NSS and its activities, contact: Dr. S. S. Mangalawade, NSS Officer, Department of Zoology, Karnatak Science College, Dharwad

College Office



Dr. Prakash P. Kulkarni, Office Superintendent (O.S), Office of the Karnatak Science College, Dharwad. He supervises the KScCD Office work.



Shri. Shrishail C. Hangaragi (Assistant Office Superintendent., AOS) is allotted College PD account, in addition to all other account maintenance. He also assists the O.S for the supervision of the Office work in the college.



Left: Shri. Shareef B. Rajannavar (Senior Assistant) is allotted PUC first year Admission, in addition to all other work plus PUC PD account and (in the photograph on the right) Smt. Jayashree K. Naik (Senior Assistant) is allotted B.Sc. 5th and 6th Semester admission (in addition to all other work)



Left: Shri. Ambadas B. Neginahal (Senior Assistant) is allotted PUC 2nd year admission (in addition to all other work) plus BCA PD account. Right: Shri. Mailarappa N. Sakrannavar, Senior Assistant. He is allotted B.Sc. III & IV Semester Admission work, in addition to other office work.



Left: Smt. Vijayalaxmi V. Talawar, Junior Assistant. She is allotted work in the Scholarship Section, in addition to preparations of TA/GF/ Salary bills, in addition to all other office work allotted by the O.S from time to time. Right: View of the college office, during its working hours



Group photograph of the Office Staff, Karnatak Science College, Dharwad. Seated (L-R): Shri. Prakash P. Kulkarni (O.S) and Shri. Shrishail C. Hangaragi (AOS)

The Office of the Karnatak Science College, Dharwad is located on the first floor of the main building, which also houses the Chambers of the Principal, the Department of Chemistry (UG & PG) and the Department of Geology.

There are eight permanent non-teaching staff members in the Office, who are aided by eleven supporting staff members (working on contract basis).

The list of permanent non-teaching staff members follows.

1. Shri. Prakash P. Kulkarni (O.S)
2. Shri. Shrishail C. Hangaragi (A.O.S)
3. Shri. Shareef B. Rajannavar (Sr. Asst.)
4. Smt. Jayshree K. Naik (Sr. Asst.)
5. Shri. Ambadas B. Neginahal (Sr. Asst.)
6. Shri. Mailarappa N. Sakrannavar (Sr. Asst.)
7. Smt. Vijayalakshmi V. Talawar (Jr. Asst.)
8. Shri. R. B. Horaginamath (Peon)

For further details, contact: Shri. Prakash P. Kulkarni, Office Superintendent, Office of the Karnatak Science College, Dharwad.

Internal Quality Assessment Cell (IQAC)



Dr. L. T. Nayak (Chairman of IQAC, KScCD) and Dr. C. G. Patil engaged in a meeting at the IQAC Office, Karnatak Science College, Dharwad.

PROSPECTUS COMMITTEE MEMBERS 2021-22



Prospectus Committee members posing for a group photograph with the Principal, Dr.(Smt.) A. S. Bellad (seated); Standing (L-R): Dr. Nagaraj S, Dr. Blaise Lobo (Chairman), Shri. Prakash P. Kulkarni (O.S), Dr. (Smt.) Manjali S. Salunke and Dr. (Smt.) Mangala S. Naik.

KARNATAK SCIENCE COLLEGE, DHARWAD

B.Sc I & II SEMESTER FEE STRUCTURE FOR THE YEAR 2021-22

A : KUD GENERAL FUND ACCOUNT

Sl.No	Code No	Particulars	GM /IIA / IIB/IIIA / IIIB and Others Fees	SC/ST Low Income	Cat-1 Fees Low Income
1	201	Admission Fees	44	44	44
2	202	Tution Fees	1210		
3	203	Laboratory Fees	473		
4	204	Library Fees	363		363
5	205	Sports Fees	25		
6	207	Student Aid Fund	15	15	15
7	209	Instrument/Course material fees			
8	210	Computer Fees			
9	211	Computre materials/Processing charges			
10	216	Development Charges			
11	251	Registration Fees	500	250	250
12	252	Penal Fees			
13	308	Miscellanious Fees (General)	44	44	44
14	407	Fees from Public School			
15	422	Youth Festival	10	10	10
16	601	Room Rent (Hostels)			
17	602	Admission Fees (Hostel)			
18	603	Medical attendance fees&Medical exam fees	231	231	231
19	604	Electricity Charges			
20	605	Other Misc.Services			

21	813	Sports Development Fees	25	25	25
22	814	Student Welfer Fund	35		35
23	815	Career Guidance Sarvice Fund (UEIGB)	30	30	30
24	816	Student Saftey Insurance	17	17	17
25	817	College Development Council Fund	10	10	10
26	821	NSS fees	5	5	5
27	823	Karnatak State Teachers Benefit Fund			
28	824	Karnatak State Students welfare Fund			
29	828	K U Corpus Fund	120	120	120
30	831	Uni.Alumini Fees	22	22	22
		Total	3,179	8,23	1,221

KARNATAK SCIENCE COLLEGE, DHARWAD				
B.Sc I & II SEMESTER FEE STRUCTURE FOR THE YEAR 2020-21				
B: P.D A/C				
SINo.	Particulars	GM /IIA/IIB/ IIIA / IIIB & Others Fees	SC/ST Low Income	Cat-1 Fees Low Income
1	C.D.C	7	7	7
2	SpotrS Fees	19	0	0
3	NSS Fees	23	23	23
4	Sports Dev Fund	19	19	19
5	Poor Stude nts Aid Fund	13	13	13
6	Youth Festival fund	7	7	7
7	Red Cross Fees	83	83	83
8	K U Student's Benfit Scheme (KUSBS)	17	17	17
9	Student Welfer Fund	31	0	31
10	Union Fees (Gymkhana)	440	440	440

11	Cation Money	61	61	61
12	Study Circle Fees	50	50	50
13	Teacher Benfit Fund	66	66	66
14	College Development Fund	242	121	242
15	Identity Card	50	50	50
16	Reading Room Fees	248	248	248
17	Magazine Fees	110	110	110
18	Communication fees	39	39	39
19	Borrowes Library Caed	22	22	22
20	NCC Fees	22	22	22
	Total	1,569	1,398	1,550

Note:

1. Fees once paid will not be Refunded
2. SC, ST & C-I Income below 2,50,000/- have to produce caste & income certificate.

Special Lab. Fees

Subject	GM & Other	SC/ST/C-1
Microbiology	8861	5313
Genetics	8861	5313
Biotechnology	8861	5313
Computer Sci. / Electronic	3652	3652

Prospectus Fees Rs.275/- for GM & Others, Rs.140/- for SC/ST/C-I

KARNATAK SCIENCE COLLEGE, DHARWAD					
B.Sc III & V SEMESTER FEE STRUCTURE FOR THE YEAR 2021-22					
A : KUD GENERAL FUND ACCOUNT					
Sl.No	Code No	Particulars	GM /IIA / IIB/IIIA / IIBB and Others Fees	SC/ST Low Income	Cat-1 Fees Low Income
1	201	Admission Fees	44	44	44
2	202	Tution Fees	1210	-	-
3	203	Laboratory Fees	473	-	-
4	204	Library Fees	363		363
5	205	Sports Fees	25	-	-
6	207	Student Aid Fund	15	15	15
7	209	Instrument/Course material fees			
8	210	Computer Fees			
9	211	Computre materials/Processing charges			
10	216	Development Charges			
11	251	Registration Fees			
12	252	Penal Fees			
13	308	Miscellanious Fees (General)	44	44	44
14	407	Fees from Public School			
15	422	Youth Festival	10	10	10
16	601	Room Rent (Hostels)			
17	602	Admission Fees (Hostel)			
18	603	Medical attendance fees&Medical exam fees	231	231	231
19	604	Electricity Charges			
20	605	Other Misc.Services			
21	813	Sports Development Fees	25	25	25
22	814	Student Welfer Fund	35	0	35

23	815	Career Guidance Sarvice Fund (UEIGB)	30	30	30
24	816	Student Safety Insurance	17	17	17
25	817	College Development Council Fund	10	10	10
26	821	NSS fees	5	5	5
27	823	Karnatak State Teachers Benefit Fund			
28	824	Karnatak State Students welfare Fund			
29	828	K U Corpus Fund	120	120	120
30	831	Uni.Alumini Fees	22	22	22
		Total	2,679	573	971

KARNATAK SCIENCE COLLEGE, DHARWAD

B.Sc III & V SEMESTER FEE STRUCTURE FOR THE YEAR 2021-22

B: P.D A/C

SINo.	Particulars	GM /IIA/IIB/ IIIA / IIIB & Others Fees	SC/ST Low Income	Cat-1 Fees Low Income
1	C.D.C	7	7	7
2	Spotrs Fees	19	0	0
3	NSS Fees	23	23	23
4	Sports Dev Fund	19	19	19
5	Poor Stude nts Aid Fund	13	13	13
6	Youth Festival fund	7	7	7
7	Red Cross Fees	83	83	83
8	K U Student's Benfit Scheme (KUSBS)	17	17	17
9	Student Welfer Fund	31	0	31
10	Union Fees (Gymkhana)	440	440	440
11	Cation Money	61	61	61
12	Study Circle Fees	50	50	50
13	Teacher Benfit Fund	66	66	66
14	College Development Fund	242	121	242
15	Identity Card	50	50	50
16	Reading Room Fees	248	248	248
17	Magazine Fees	110	110	110

18		Communication fees	39	39	39
19		Borrows Library Caed	22	22	22
20		NCC Fees	22	22	22
		Total	1,569	1,398	1,550
Note:					
1. Fees once paid will not be Refunded					
2. SC, ST & C-I Income below 2,50,000/- have to produce caste & income certificate.					
Special Lab. Fees					
		Subject	GM & Other	SC/ST/C-1	
		Microbiology	8861	5313	
		Genetics	8861	5313	
		Biotechnology	8861	5313	
		Computer Sci. / Electronic	3652	3652	
Prospectus Fees Rs.275/- for GM & Others, Rs.140/- for SC/ST/C-I					

ANNEXURE 1

KARNATAK SCIENCE COLLEGE, DHARWAD

BCA I & II SEMESTER FEE STRUCTURE FOR THE YEAR 2021-22

A: KUD GENERAL FUND ACCOUNT

Sl.No	Code No	Particulars	GM /IIA/IIB/ IIIA / IIB & Others Fees	SC/ST Low Income	Cat-1 Fees Low Income
1	201	Admission Fees	28		
2	202	Tution Fees	806		
3	203	Laboratory Fees	312		
4	204	Library Fees	64	64	64
5	205	Sports Fees	25		
6	207	Student Aid Fund	15	15	15
7	209	Instrument/Course material fees			
8	210	Computer Fees			

9	211	Computer materails / processing Charges			
10	216	Development Charges			
11	251	Registration Fees	1630	815	815
12	252	Penal Fees(UG Courses)			
13	308	Miscellanious Fees (General)	27	27	27
14	407	Fees from Public School			
15	422	Youth Festival	10	10	10
16	601	Room Rent (Hostels)			
17	602	Admission Fees (Hostel)			
18	603	Medical Attendance Fees & Medical Exam Fees	161	161	161
19	604	Electricity Charges			
20	605	Other Misc.Services			
21	813	Sports Development Fees	25	25	25
22	814	Student Welfer Fund	35		35
23	815	Career Guidance Service Fund (UEIGB)	30	30	30
24	816	Student Saftey Insurance	15	15	15
25	817	College Development Council Fund	10	10	10
26	821	NSS fees	5	5	5
27	823	Karnatak State Teachers Benefit Fund			
28	824	Karnatak State Students welfare Fund			
29	828	K U Corpus Fund	120	120	120
30	831	Uni.Alumini Fees	17	17	17
		TOTAL	3,335	1,314	1,349

KARNATAK SCIENCE COLLEGE, DHARWAD

BCA III & VI SEMESTER FEE STRUCTURE FOR THE YEAR 2021-22

A: KUD GENERAL FUND ACCOUNT

Sl.No	Code No	Particulars	GM /IIA/IIB/ IIIA / IIIB & Others Fees	SC/ST Low Income	Cat-1 Fees Low Income
1	201	Admission Fees	28		
2	202	Tution Fees	806		
3	203	Laboratory Fees	312		
4	204	Library Fees	64	64	64
5	205	Sports Fees	25		

6	207	Student Aid Fund	15	15	15
7	209	Instrument/Course material fees			
8	210	Computer Fees			
9	211	Computer materails / processing Charges			
10	216	Development Charges			
11	251	Registration Fees			
12	252	Penal Fees(UG Courses)			
13	308	Miscellanious Fees (General)	27	27	27
14	407	Fees from Public School			
15	422	Youth Festival	10	10	10
16	601	Room Rent (Hostels)			
17	602	Admission Fees (Hostel)			
18	603	Medical Attendance Fees & Medical Exam Fees	161	161	161
19	604	Electricity Charges			
20	605	Other Misc.Services			
21	813	Sports Development Fees	25	25	25
22	814	Student Welfer Fund	35		35
23	815	Career Guidance Service Fund (UEIGB)	30	30	30
24	816	Student Saftey Insurance	15	15	15
25	817	College Development Council Fund	10	10	10
26	821	NSS fees	5	5	5
27	823	Karnatak State Teachers Benefit Fund			
28	824	Karnatak State Students welfare Fund			
29	828	K U Corpus Fund	120	120	120
30	831	Uni.Alumini Fees	17	17	17
		TOTAL	1,705	499	534

KARNATAK SCIENCE COLLEGE, DHARWAD				
BCA I & II SEMESTER FEE STRUCTURE FOR THE YEAR 2021-22				
B : P.D A/C				
SINo.	Particulars	GM /IIA/IIB/ IIIA / IIIB & Others Fees	SC/ST Low Income	Cat-1 Fees Low Income
1	Student Welfare Fund	5		5
2	Union Fees	322	322	322

3	Caution Money	35	35	35
4	Study Circle Fees	32	32	32
5	College Development Fund	69	69	69
6	Identity Card Fees	50	50	50
7	Reading Room Fees	177	0	0
8	Magzine Fees	89	89	89
9	Communication Fees	28	28	28
10	K U Student's Benfit Scheme (KUSBS)	10	10	10
11	Borrows Library Card	22	22	22
12	Course Devlopment Fees (Per Year)	13,940	8,581	8,581
13	Course Material Fees (Per Year)	2,145	2,145	2,145
14	Teachers Benefit Fund	50	50	50
15	NCC Fees	5	5	5
	Total	16,979	11,438	11,443
C : PD A/C				
1	Under Self Financing Students	13944	9900	9900
	Note: Normal students pay A+B fees mentioned above.			
	USFS (Under Self Financing students) pay A+B+C fees mentioned above			

<u>KARNATAK SCIENCE COLLEGE, DHARWAD</u>				
BCA III & IV SEMESTER FEE STRUCTURE FOR THE YEAR 2021-22				
B : P.D A/C				
SINo.	Particulars	GM /IIA/IIB/ IIIA / IIIB & Others Fees	SC/ST Low Income	Cat-1 Fees Low Income
1	Student Welfare Fund	5		5
2	Union Fees	322	322	322

3	Caution Money	35	35	35
4	Study Circle Fees	32	32	32
5	College Development Fund	69	69	69
6	Identity Card Fees	50	50	50
7	Reading Room Fees	177	0	0
8	Magzine Fees	89	89	89
9	Communication Fees	28	28	28
10	K U Student's Benefit Scheme (KUSBS)	10	10	10
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CONGRATULATIONS
STUDENT ACHIEVERS
UNIVERSITY RANK HOLDERS
2020



ARATI MOKASHI

3389/3600 (94.14%)

SIXTH RANK (B.Sc.)

AMITA KOLEKAR

3371/3600 (93.64%)

EIGHT RANK (B.Sc.)

UNIVERSITY RANK HOLDER
2019



ANUSHA PATIL

3386/3600 (94.06%)

NINTH RANK (B.Sc.)

The Principal and Faculty members of Karnatak Science College, Dharwad are proud to congratulate Arati Mokashi and Amita Kolkar, who secured 6th and 8th Rank (B.Sc.) in the Karnatak University examinations 2020 and Anusha Patil, who secured 9th Rank (B.Sc.) in the Karnatak University examinations 2019.

CONGRATULATIONS
STUDENT ACHIEVERS IN SPORTS 2019-20
UNIVERSITY BLUES



SUSHMA V BALLARY
ALL INDIA INTER-UNIVERSITY
BRONZE MEDAL TAEKWONDO



KRUPA A KATTISHETTI
GYMNASTICS & BASKET BALL



PALLAVI G. APPINABAIL
CROSS-COUNTRY



PRIYA PUNDIKALAD

The Principal and Faculty members of Karnatak Science College, Dharwad are proud to congratulate the University Blues Sushma V Ballary, Krupa A Kattishetti, Pallavi G Appinabail and Priya Pundikalad, students of Karnatak Science College, Dharwad.

CONGRATULATIONS



SOHAIL M. BAGALKOT **KIRAN G. MUNDINAMANI**
NATIONAL FOOTBALL PLAYER UNIVERSITY BLUE
SEPAK TAKROW

The Principal and Faculty members of Karnatak Science College, Dharwad are proud to congratulate National Football Player Sohail M. Bagalkot and University Blue in Sepak Takrow, Kiran G. Mundinamani. Both were students of Karnatak Science College, Dharwad.



Left to Right: RADHIKA BHAJANTRI, ARUNKUMAR MUTTAGI & Shri. S. S. MANGALAWADE

The Principal and Staff members of Karnatak Science College, Dharwad congratulate the NSS Officer Shri S. S. Mangalawade and NSS Volunteers Ms. Radhika Bhajantri and Mr. Arunkumar Muttagi for attending the National Level NSS Leadership Camp organized for seven days (from 13-1-2020 up to 13-1-2020) at Pavatenagar, KUD.