

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes.

IQAC is one of the major policy making and implementing units in our college. It strives hard for upgrading the college infrastructure and all support facilities to meet the standards of higher education and growing need of students. It assesses and suggests the parameters of quality education. The Internal Quality Assurance Cell (IQAC) has been established in our College at the instance of the National Assessment and Accreditation Council (NAAC), as a post-accreditation quality sustenance measure.

The IQAC Cell of our college works towards improving and maintaining the quality of education, by identifying and suggesting new ways of using teaching aids, developing suitable infrastructure, and offering suggestions for the start of new self-finance courses in the college. IQAC is an effective and efficient internal coordinating and monitoring mechanism. The IQAC meets twice in a year in order to plan, direct, implement and evaluate the teaching, research and publication activities in the College. The sub-committees dealing with various activities and departments implement the IQAC guidelines and report the feedback. Significant improvements in quality have been made by institutionalizing the following IQAC initiatives: Strategic planning of key areas and assigning responsibilities -

1. Academic and Administrative Audit through IQAC :

The college takes academic audit of the college, each department, office, library, hostel, and health centre every year through IQAC in order to increase and maintain the quality of education. As per the guidelines of the Karnatak University, Dharwad, the Principal prepares a list of experts consisting of 10-15 members and gets approval from the Vice-Chancellor and then, the Principal sets up a committee with three recommended experts to assess the academic and administrative matters of the college. The committee collects the academic plan and work done in each department, college office and other supporting units in the college, including publication, extension activity, collaborations, innovative and best practices, assignments, ICT based activity, student's competitions, seminars and workshops for better performance. The expert committee submits its evaluation report to the Principal and the IQAC. The same is placed before the HOD's, in a meeting called for discussion of the same, for suggestions and approval. IQAC, in turn strives to implement the suggestions made by the AAA committee in its report.

•: As a result of implementation of suggestions made by the academic audit committee, it is found that all departments have been constantly improving their curricular, co-curricular, and research activities.

2. Implementation of Green practices in the campus:

The IQAC initiate various green practices to maintain eco-friendly environment in the college campus through various activities Viz., Tree Plantation in barren land, paper-less office through e-governance, creating plastic free zones, keeping Clean and Green Campus, saving electricity by way of installing solar panels, workshop for preparation of Paper Bags, Awareness Programme on Renewable Energy sources and their utilization, and e- Waste Management. For the implementation of green practices, IQAC distributed the responsibility of conduct of these activities among the various departments. IQAC constantly takes the feedback from the stakeholders.

- : Because of these practices, eco-friendly and pollution free environment is created in the college campus. The college practices green auditing through carbon sequestration , which indicates the vegetation density.

3. Use and enrichment of ICT infrastructure

The use of ICT tools has become an integral part in teaching -learning process. IQAC always encouraged teachers to utilize these tools in classroom teaching and laboratories. IQAC plans and encourages all the staff members to use and enrich the ICT facilities in each department. The IQAC monitors the periodical maintenance of ICT facility and its upgradation. All the staff members in the different departments of the college are provided with broadband internet and Wi-Fi facility. IQAC reaches out to all the students. IQAC advises the staff members to use Social media like WhatsApp, YouTube etc., to educate as well as communicate with the students regarding their curricular and co-curricular activities. Feedback mechanism has been effectively implemented through social media during Covid-19 lockdown.

Outcome: Able to reach students in quick and effective manner.

4. Adopting Induction programme:

The IQAC has been consistently conducting an Induction programme for fresher's (that is, for students admitted to the first semester of B.Sc., BCA and B.Sc.(CS), M.Sc. Physics, Chemistry and Mathematics) in the beginning of the odd semester, in order to introduce them to all the teachers of different departments, to give details about the courses offered, infrastructure facilities available, responsibilities of the students, code of conduct and disciplinary actions, different cells in the

college to monitor the student's academic progression, medical facility, banking facility, NCC, NSS, gymkhana facilities, Students welfare-and placements.

Outcome: Due to this best practice, the newly admitted students in the campus get authentic information about the infrastructure, departmental facilities, teaching and non-teaching staff of the college, as a consequence of which these facilities are easily accessed by the students.

5. Organised academic development Programmes:

The IQAC organises many academic development programmes, like soft skill development-and programmes on improving the quality of education.

- : During Covid-19 pandemic lockdown, all the students and the staff were physically disconnected due to the lack of offline classes. However, the process of online teaching-learning was effective through these IQAC initiated programmes.

6. Placement Drive:

IQAC proposed to conduct regular placement drives in the courses like BCA, B.Sc. (CS), and M.Sc (Physics).

Outcome: Accordingly, these departments have conducted placement drives and many students from these departments have been selected by many private companies and service providers (corporate sector):-

7. Assessment of teacher's performance: An effective feedback mechanism was adopted by IQAC to collect the students feedback about the teachers in the online mode (Google forms), focusing on-different academic aspects. After analysis, the performance report of each individual teacher is represented in the graphical form, and the same is submitted in a sealed envelope to the Principal, with a request to serve the same to the teachers.

Outcome: As a result of this, each individual teacher comes to know about their academic performance, and this paves the way for an improvement in their future performance.


Principal,
Karnatak Science College
Dharwad.

AAA Report-2019-20 & 2020-21



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAI
(Constituent College of Karnatak University, Dharwad)
NAAC Accredited



ACADEMIC AND ADMINISTRATIVE AUDIT COMMITTEE

2019-20

Observation Form

Name of the College: KARNATAK SCIENCE COLLEGE, DHARWAD Date: 30/08/2021

Observations to be made:

1.0 First Impression/Overview:

First impression of the college, upkeep etc.

2.0 Utilization of resources:

2.1 Class Room (Time Table/Timing/Holidays etc.)

Total No. of Class Rooms: 25

College Timing : 7.50am to 6.30pm

Holidays : As per KUD circular

2.2 Teachers Workload : As per UGC guidelines

2.3 Library : 09

a) Total No. Books : 182534

b) Total No. of Journals : 28

2.4 Laboratories (UG/PG/RESEARCH) : 30

2.5 Computer Labs : 03

No. of PC's : 152

No. of Printers : 30

Software's : 02

OBSERVATIONS

1. The Institution has independent spacious Department-wise buildings.
2. The Departments have separate well maintained Laboratories, Museums, Classrooms and Libraries.

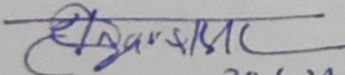
COMMENDATIONS

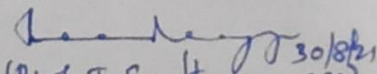
1. College is recognized as Research Centre.
2. Majority of the faculty members are Ph.D. holders, recognized as research guides and actively involved in guiding the research students for Ph.D Degrees. Some faculty members have got research grants from different funding agencies.
3. The college is offering three post graduate programmes viz., Chemistry, Physics and Mathematics.
4. College Health Centre is recognized as Covid-19 Vaccination Centre for students, staff and general public and serving the society.

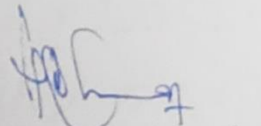
RECOMMENDATIONS

1. Vacant posts for Teaching/Non-Teaching/laboratory assistants are to be filled on priority basis.
2. Qualified and eligible teachers are to be encouraged to apply for the recognition of Research guides and submit the research proposals to different funding agencies.
3. A separate budget provision is to be made for PG Departments to run these courses effectively.
4. Recruitment of Permanent Teaching faculty for Biotechnology, Microbiology, Genetics and Industrial Fish and Fisheries is to be made as there are no permanent teachers.
5. Increase the hostel facilities for girls and boys.
6. Recruitment of library staff is to be initiated. Digitalization of library is highly recommended.
7. Alumni Association has to be strengthened and regular activities need to be conducted.
8. College has to enter MOU with other Institutions/ Industries/Departments/Universities to promote Research/ Placement opportunities.
9. Separate rest rooms for boys and girls are to be made.
10. The College campus has to be provided with CCTV surveillance.
11. Establishment of coaching centers for Higher Education & Career opportunities to students is essential.

12. Strengthening of Anti ragging Cell, Sexual Harassment Cell, Students grievances Cell, Girl student grievances/redressal cell for SC/ST students, Human Right Cell is required.
13. Steps to be taken under green initiatives: Solar Energy, Rain water harvesting, plastic free campus, Plantations and Composting.
14. Introduction of new Post Graduate Courses, Diploma and Certificate Courses is recommended.
15. Functioning of IQAC needs to be further strengthened to collect relevant information periodically. For this, one staff member from each Department may be identified.
16. College may introduce add-on courses through SWAYAM and MOOC on priority basis.
17. Conduct regular Seminars/Workshops/Conferences etc., with the assistance of various funding agencies such as UGC, DBT, DST, VGST and University to expose the students to recent advances.
18. Organize more extension programmes in surrounding villages to educate the rural masses about Environmental awareness, waste management, Woman Empowerment, Health and hygiene and resource management.
19. Budget for the maintenance of all Museums in the College is necessary.


1) (Prof. I. L. Taranath) 30-8-21
Chairman


2) (Prof. J. Seetharamappa) 30/8/21
Member


3) Dr. M. David
Member

Green Audit Report of Karnatak College Campus, Dharwad 2019-20 & 2020-21

A total of 98 tree species belonging to 83 genera of 33 families were studied in 68 quadrats in the campus. Tree species such as *Peltophorum pterocarpum*, *Delonix regia*, *Senna siamea*, *Tamarindus indica* and *Pongamia pinnata* are spread throughout the campus. Whereas species such as *Bombax ceiba*, *Butea monosperma*, *Couroupita guianensis*, *Kigelia africana*, *Santalum album*, *Saraca asoca*, *Swietenia mahogany* and *Tabebuia impetiginosa* are also present. In case of *Adansonia digitata* and *Guaiacum officinale* are cultivated have representing a single specimen each in the campus or Dharwad city as such. Total number of individuals of all the tree species measured for carbon sequestration and importance value index are **1387** trees. Among these Fabaceae has the highest IVI of 3510.29 followed by Ulmaceae with IVI of 250.06 which is followed by Meliaceae with IVI of 180.27. In Karnatak College Campus the study resulted in showing *Senna siamea* is the highest carbon sequestering tree species (carbon storage of 359834.71 g/tree) followed by *Peltophorum pterocarpum*, *Tamarindus indica*, *Delonix regia* and *Holoptelea integrifolia* being the top five highest carbon sinking tree species respectively, and also with maximum tree biomass in the campus. Analysis of its habit shows that, trees are dominant followed by shrubs, herbs and then climbers. Estimation of tree biomass through non – invasive and allometric methods leads to estimation of carbon sequestered. The total carbon storage in Karnatak Campus is **163.2** tons (163149358.3 g) in all standing tree species of Karnatak Campus, Dharwad.

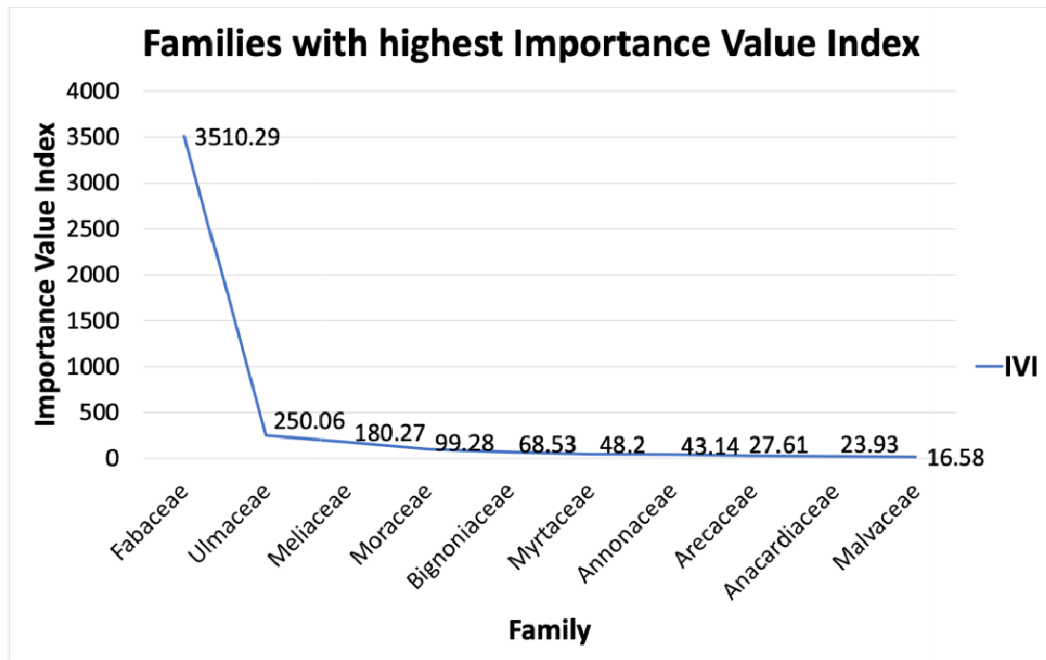


Fig.1: Families with highest Importance Value Index in Karnatak College Campus, Dharwad

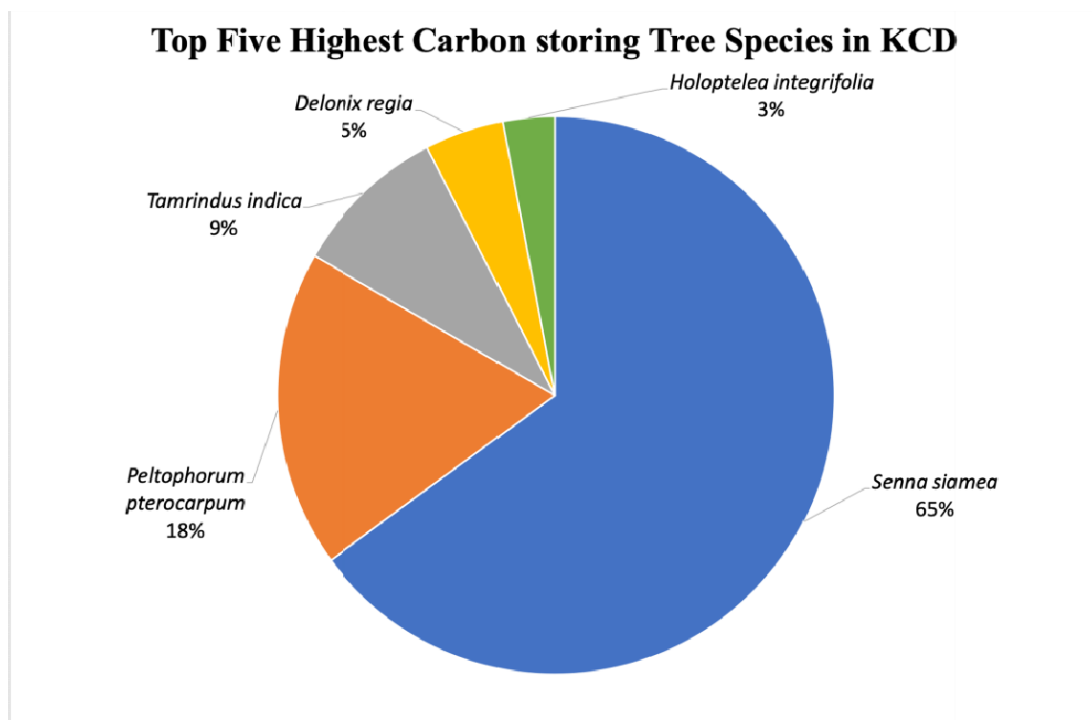
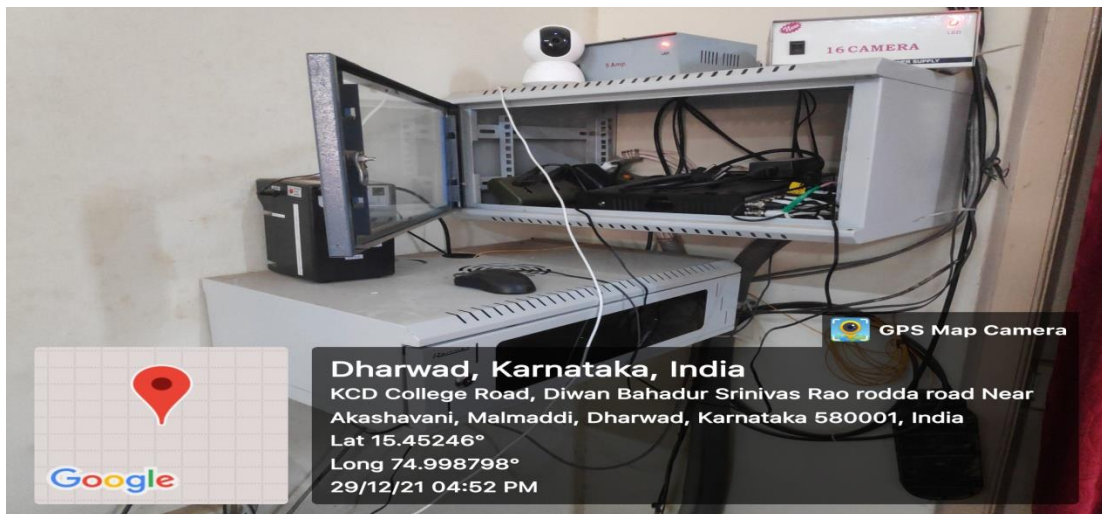
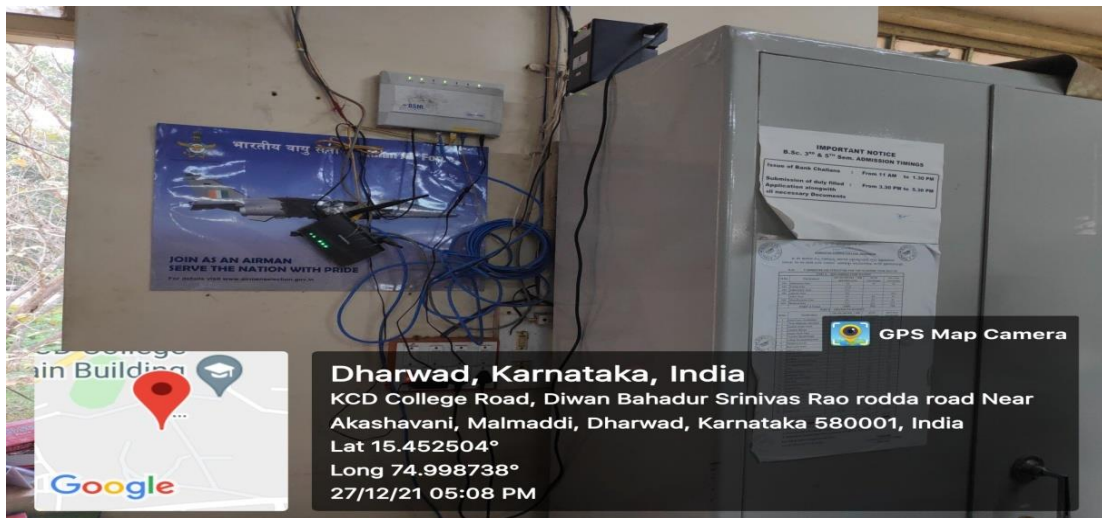


Fig.2: Top five highest carbon sequestering tree species of Karnatak College Campus, Dharwad

IT FACILITIES INCLUDING WI-FI in College



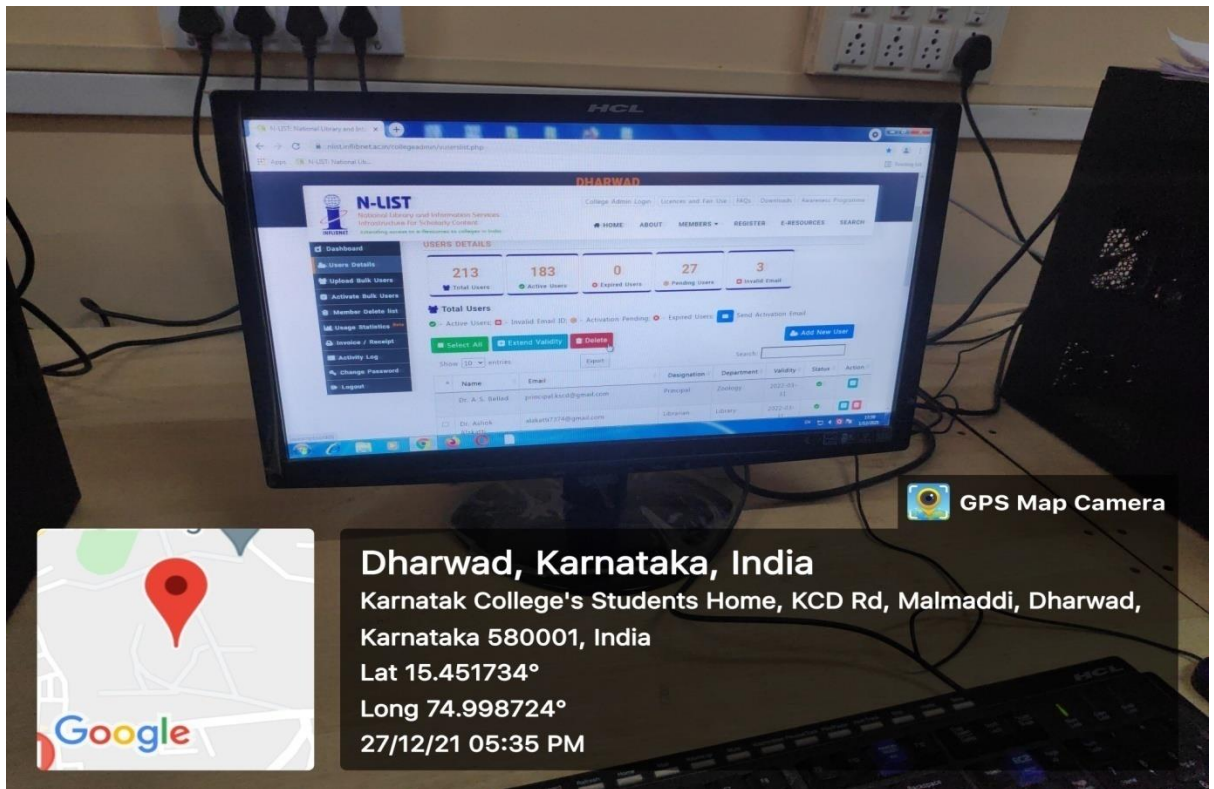
IT FACILITIES INCLUDING WI-FI in Central Library



LAN facility in the Digital Library



N-List search engine



Dharwad, Karnataka, India
Karnatak College's Students Home, KCD Rd, Malmaddi, Dharwad,
Karnataka 580001, India
Lat 15.451734°
Long 74.998724°
27/12/21 05:35 PM

Students browsing e-content from INFLIBNET



Dharwad, Karnataka, India
Karnatak College's Students Home, KCD Rd, Malmaddi, Dharwad,
Karnataka 580001, India
Lat 15.451734°
Long 74.998724°
27/12/21 05:35 PM



Karnatak University's

Karnatak Science College, Dharwad



IQAC Initiative

INDUCTION PROGRAMME FOR B.Sc./BCA-Ist SEMESTER STUDENTS : 2020-21 on 05th & 6th FEBRUARY, 2021

Date: 5th Feb. 2021
Time: 10.30 am to 1.00 pm
Sub.Combn.: P.C.M, P.M.St.,
P.M.G, P.M.CS, P.M.E, P.M.
FSc, C.M.St., St.M.CS, G.M.
CS, M.FSc.CS

Date: 5th Feb. 2021
Time: 3.00 pm to 5.00 pm
Sub.Combn.:
BCA & B.Sc.(CS)

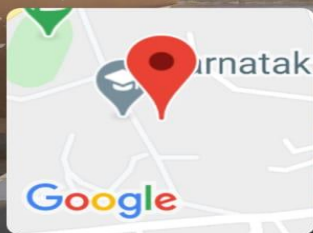
Date: 6th Feb. 2021
Time: 10.30 am to 1.00 pm
Sub.Combn.:C.B.Z., C.B.Bt., C.
B.Micro, C.B.Geo, C.B.Gen., C.
Z.Bt., C.Z.Micro., C.B.IF.,C.Z.
IF., .Z.FSc., C.G.G., C.A.FSc.,
A.Z.FSc., A.G.G., B.G.G.

Prof. M. R. Ranganath_{SWO}
Organising Secretary

Dr. C. G. Patil
Joint Organising Secretary

Dr. L. T. Nayak
Co-Ordinator

Dr. (Smt.) A. S. Bellad
Principal



Dharwad, Karnataka, India
BCA & BCS Dept, KCD Rd, Malmaddi, Dharwad, Karnataka 580001, India
Lat N 15° 27' 8.82"
Long E 74° 59' 58.1604"
06/02/21 11:04 AM

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD**


**One Day Virtual Training
On
"Awareness on Intellectual Property Rights"**

**Organized by
IQAC, Karnatak Science College, Dharwad**

Date: 30-05-2021 Time: 11.00 am to 12.30 pm

Resource Person

Dr. M. S. Annapurna Kishore Kumar
Asst. Professor
Dr. N. S. A. M. First Grade College
Krishnarajpura, Shivakote
Bangalore -89
Affiliated to Bangalore Central University



Platform: Google meet. To join use the video call link: <https://meet.google.com/fpx-vwx-hmp>

Convener
Dr. (Smt.) A.S.Bellad
Principal
Karnatak Science College
Dharwad

Organizing Secretaries

Dr. C.G.Patil
Dept. of Botany
Karnatak Science College
Dharwad

Dr. E. T. Nayak
Co-ordinator, IQAC
Karnatak Science College
Dharwad


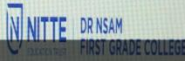
Organizing Members
Dr. Manjunath S., Dr. Nagaraj S., Dr.(Smt.) R.D. Sanakal,
Dr. (Smt.) J.M. Nirupama, Dr. R.C.Kalkhambkar, Dr.D.S.Narayankar




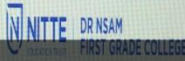
Intellectual Property Rights





- ❖ Intellectual property is an intangible creation of the human mind, usually expressed or translated into a tangible form that is assigned certain rights of property.


Examples : Author's copyright on a book or article, a distinctive logo design representing products, unique design elements ,a patent on the process / product .

- ❖ Intellectual property rights (IPR) can be defined as the rights given to people over the creation of their minds. They usually give the creator an exclusive right over the use of his/her creations for a certain period of time.



Dharwad, Karnataka, India

174, CITB Housing Layout, Sampigi Nagar, Dharwad, Karnataka 580007,
India

Lat N 15° 28' 14.3364"
Long E 74° 58' 53.31"

30/05/21 11:13 AM

Dharwad, Karnataka, India

174, CITB Housing Layout, Sampigi Nagar, Dharwad, Karnataka 580007,
India

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Long E 74° 58' 53.31"

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KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD

One Day Virtual Training
On
ONLINE ACADEMIC RESOURCES: TECHNIQUES
FOR RETRIEVAL AND USE

Organized by
IQAC, Karnatak Science College, Dharwad

Date: 15-05-2021 **Time: 11.00 am to 3.00pm**

The speakers:

Ist Session Time: 11.00 am to 12.30 pm Dr. Raghavendra B. Bonal Assistant Librarian, Central University of Karnataka, Kalaburagi Topic: Open Access E- Resources	IInd Session Time: 1.00 pm to 2.30 pm Dr. Gopakumar Librarian, Goa University, Goa Topic: Literature search, Referencing and UGC care list
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Platform: Google meet. To join use the video call link:

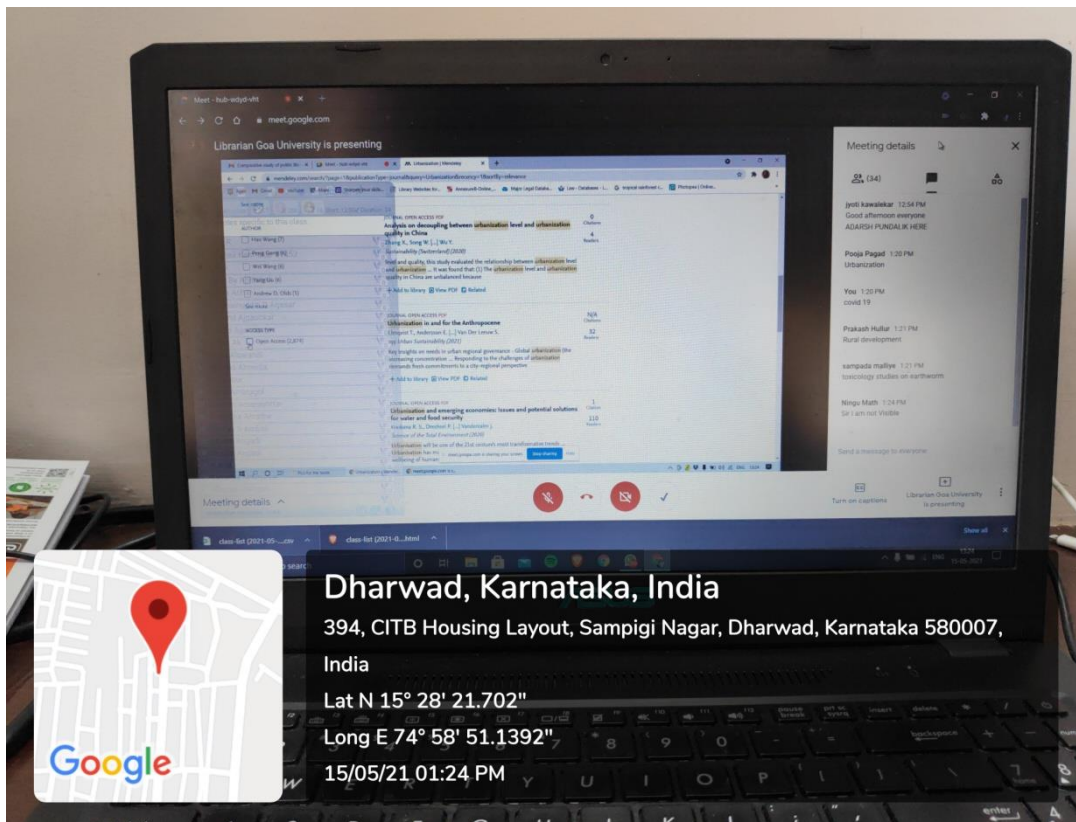
Convener
Dr. (Smt.) A.S.Bellad
 Principal
 Karnatak Science College
 Dharwad

Organizing Secretaries

Dr. C.G.Patil Dept.of Botany Karnatak Science College Dharwad	Dr. L. T. Nayak Co-ordinator, IQAC Karnatak Science College Dharwad
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Organizing Members
Dr. Manjunath S., Dr. Nagaraj S., Dr.(Smt.) R.D. Sanakal,
Dr. (Smt.) J.M .Nirupama, Dr. R.G.Kalkhambkar, Dr.D.S.Narayankar





KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
One Day Virtual Training
on
SOFT SKILL: THE NECESSITY OF 21ST CENTURY
STUDENTS AND PROFESSIONALS
Organized by
IQAC, Karnatak Science College, Dharwad
Date: 14-05-2021 **Time: 11.00 am to 3.00pm**

The speakers:


Ist Session Time: 11.00 am to 12.30pm Sri. Anil Bhagwanrao Kamble Assistant Professor, Dept. of English Central University of Karnataka, Kalaburagi Topic: Soft Skill: The Necessity of 21st Century Students and Professionals	IInd Session Time: 1.00 pm to 2.30 pm Dr. Usham Rojio Singh Assistant Professor, Dept. of English Central University of Karnataka, Kalaburagi Topic: Impression Management Through Communication
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Convener
Dr. (Smt.) A. S. Bellad
 Principal
 Karnatak Science College
 Dharwad

Organizing Secretaries

Dr. C.G.Patil Dept. of Botany Karnatak Science College Dharwad	Dr. L. T. Nayak Co-ordinator, IQAC Karnatak Science College Dharwad
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Google

Dharwad, Karnataka, India

394, CITB Housing Layout, Sampigi Nagar, Dharwad, Karnataka 580007,
 India

Lat N 15° 28' 21.7128"
 Long E 74° 58' 51.1284"

13/05/21 01:59 PM

Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD
IQAC Cell

Phone No: 0836-2215410 & 2215400 Fax: 0836-2744334

Email: principal.kscd@gmail.com Web: www.kscd.ac.in

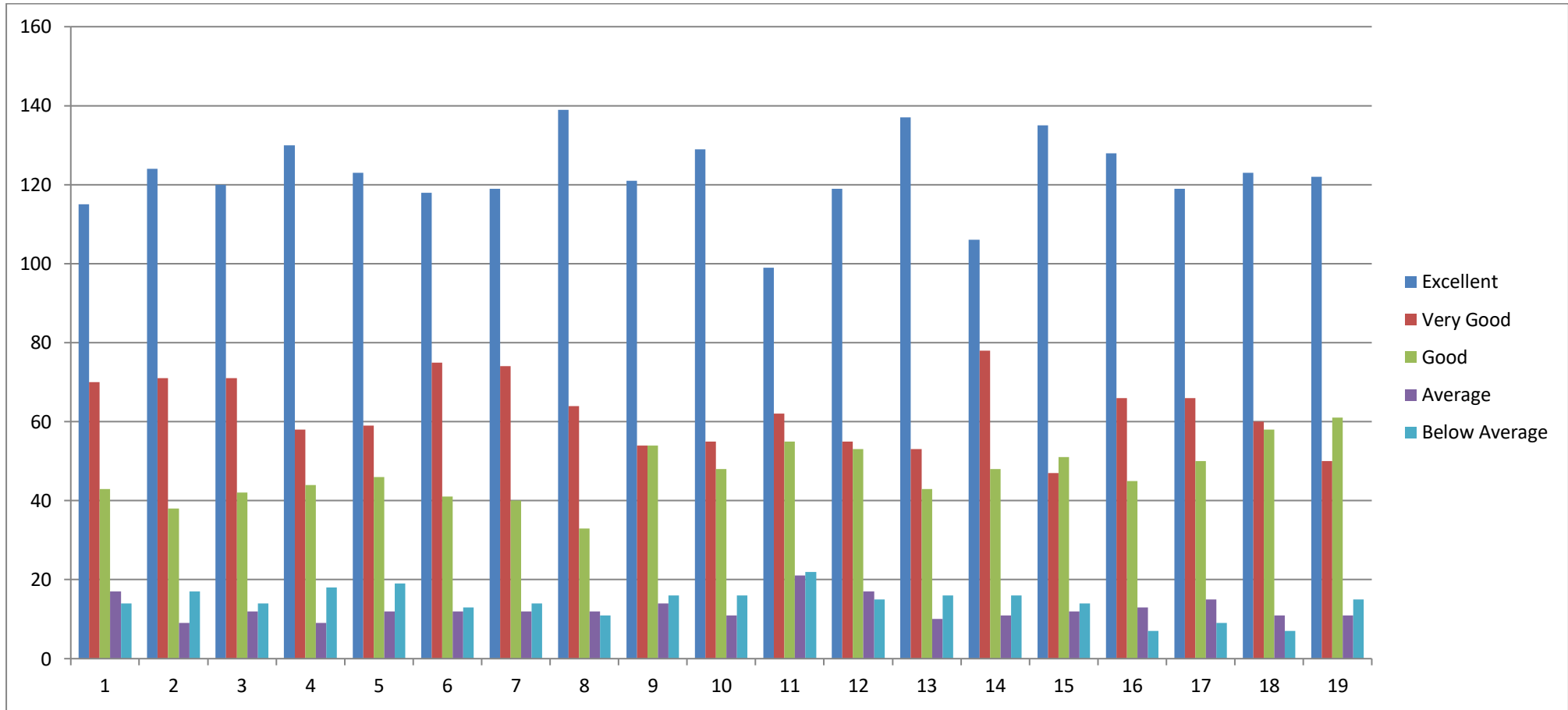
**PARAMETERS CONSIDERED FOR FEEDBACK FROM THE
STUDENTS ON TEACHERS.- COLLEGE AS A WHOLE**

Question No.	Parameter
1	Teacher covers the entire syllabus
2	Teacher discusses topics in detail
3	Teacher possesses deep knowledge of the subject taught
4	Teacher's communication with students
5	Teacher inspires me by his/her knowledge in the subject
6	Teacher punctual to the class
7	Teacher engages the classes for the full duration and completes the syllabus in time
8	Teacher comes prepared for the class
9	Teacher provides guidance and counselling for academic and non-academic matters in / outside the class
10	Teacher encourages students participation and discussion in class (Teacher-Student, Student-Teacher)
11	Teacher pays special attention to slow learners as well
12	Teacher relates the course material with present situations
13	Teacher's attitude towards the students friendly and helpful
14	Teacher attend students queries in the class
15	Teachers overall attitude in the class
16	Internal examinations and Periodical assignments were conducted as per schedule
17	Question paper covers all the topics in the Curriculum
18	Teacher is fair and unbiased in the evaluation Process
19	Overall

FEEDBACK FROM STUDENTS: RESPONSES FOR THE ABOVE QUESTIONS

Sl. No.	Excellent	Very Good	Good	Average	Below Average	Total No. of Responses
1	115	70	43	17	14	259
2	124	71	38	9	17	259
3	120	71	42	12	14	259
4	130	58	44	9	18	259
5	123	59	46	12	19	259
6	118	75	41	12	13	259
7	119	74	40	12	14	259
8	139	64	33	12	11	259
9	121	54	54	14	16	259
10	129	55	48	11	16	259
11	99	62	55	21	22	259
12	119	55	53	17	15	259
13	137	53	43	10	16	259
14	106	78	48	11	16	259
15	135	47	51	12	14	259
16	128	66	45	13	7	259
17	119	66	50	15	9	259
18	123	60	58	11	7	259
19	122	50	61	11	15	259

SUMMARY CHART FOR THE RESPONSES FROM THE STUDENTS ON TEACHERS.- COLLEGE AS A WHOLE



Ae
 Principal,
 Karnatak Science College,
 Dharwad.