



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD
NAAC Accredited



Phone No: 0836-2215410 & 2215400 Fax: 0836-2744334
Email: principal.kscd@gmail.com Web: www.kscd.ac.in

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The following wings of the college (KSCD) enable a suitable ecosystem for both students and teachers.

1. **IPR Cell:** The IPR cell is exist in the college and functioning.

2. **Research Council:** Our institution is a recognized research centre of Karnatak University, Dharwad (KUD). Twenty Two teaching staff members are the research guides for Ph.D. candidates, and they have successfully guided about 100 students for Ph.D.

3. **Science Association:** Science Association consists of all the departmental study circles and many innovative programmes, like science exhibitions and special lectures from eminent scholars are conducted.

4. **Gymkhana:** There are thirteen different departments of Gymkhana through which extracurricular activities, which include all kinds of sports and cultural activities are conducted.

5. **NSS & NCC:** N.S.S. conducted various activities in innovative ways. NCC wing of our college pays "Guard of honour" to the Principal and the Vice-Chancellor during National festivals.

6. **AKKA Ladies Association:** This is a very good platform for girl students to express themselves. Activities conducted by it are helpful to build the confidence in lady students studying in the college campus.

7. **Staff club:** Staff club of our college is a recreation centre for teachers.

8. **ICT:** College has provided all ICT facilities to all the departments which will enable the teachers to utilize online resources. Workshops and seminars are conducted using the available ICT facilities. Internet facility is provided to the staff, research scholars and students in every department.

1. Research Council:

| Name of full time teacher with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. | Qualification (Ph.D./D.M/M.Ch./D.N .B Superspeciality/D.Sc./ D'Lit.) and Year of obtaining | Whether recognised as research Guide for Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D' Lit. | Year of Recognition as Research Guide |
|---|---|--|---------------------------------------|
| Dr. J. L. Kalyan | Ph.D. 2004 | Yes | 2011 |
| Dr. G. H. Malimath | Ph.D. 1994 | YES | 2009 |
| Dr. J. T. Gudagur | Ph.D. 2002 | YES | 2010 |
| Dr. S. D. Dummawad | Ph.D. 1994 | YES | 2001 |
| Dr. (Smt.) M. S. Nayak | Ph.D. 1987 | YES | 2005 |
| Dr S M Tuwar | Ph.D. 1991 | YES | 2003 |
| Dr. L T Nayak | Ph.D 2002 | Yes | 2012 |
| Dr. O Kotresh | Ph.D. 2002 | YES | 2006 |
| Dr. (Smt) Doris M Singh | Ph.D. 1999 | YES | 2009 |
| Dr K Kotresh | Ph.D. 1993 | YES | 2001 |
| Dr. K. P. Kolkar | Ph.D. 2005 | YES | 2009 |
| Dr. Blaise Lobo | Ph.D. 2000 | YES | 2012 |
| Dr. (Smt.) R. D. Sanakal | Ph.D. 1996 | Yes | 2015 |
| Dr. (Smt.) V. B. Savirmath | Ph.D 2008 | Yes | 2013 |
| Dr. Kariyappa S Katagi | Ph.D. 2007 | Yes | 2014 |
| Dr.(Smt.) S.P.Masti | Ph.D. 2002 | YES | 2014 |
| Dr. S.K.Rajappa | Ph.D. 2004 | YES | 2015 |
| Dr. (Smt.) K. Jayalakshmi | Ph.D. 2005 | YES | 2015 |
| Dr. R.G.Kalkhamkar | Ph.D. 2008 | YES | 2015 |
| Dr. S. Manjunath | Ph.D. 2005 | Yes | 2011 |
| Dr. Gani Shrishail Ramappa | | Yes | |
| Dr. M. N. Megeri | Ph.D 2004 | Yes | 2009 |

Science Association: Science Association is an academic body which is working for the academic activities of students with different subjects in the name of "study circles" in all the departments and secretaries of each department as Student representatives. It conducts various activities throughout the year to inculcate scientific temper, science awareness among students. Many activities such as quiz programme, scientific exhibition, debates, Seminars, Essay competitions and drawing competition are conducted for the students. Special lecture series, Endowment lectures and Memorial lectures are arranged in the college by inviting eminent scholars. The University also arranges a series of foundation lectures for our students under the banner of Science association.

Science association has a chairperson as (permanent faculty of the college) and a student secretary as student editor (mostly from degree final year) and having student representatives from all the classes. The selection of the student secretary is done purely on merit basis..

The Chairpersons of the different departmental study circles are as follows.

1. Dr. K. P. Kolkar - Department of Botany
2. Dr. S. Manjunatha - Department of Geology
3. Dr. (Smt.) V. B. Saviramath - Department of Geography
4. Dr. (Smt.) R. D. Sanakal - Department of Zoology
5. Dr. (Smt.) Nirupama J. M - Department of Physics
6. Dr. R. G. Kalkhambkar - Department of Chemistry
7. Lt. Rajshekhar Baraker - Department of Computer Science
8. Prof. Ramdas W - Department of Criminology & Forensic Science

Study circle Chairpersons.

1. Dr. K. P. Kolkar - Department of Botany
2. Dr. S. Manjunatha - Department of Geology
3. Dr. (Smt.) V. B. Saviramath - Department of Geography
4. Dr. (Smt.) R. D. Sanakal - Department of Zoology
5. Dr. (Smt.) Nirupama J. M - Department of Physics
6. Dr. R. G. Kalkhambkar - Department of Chemistry
7. Lt. Rajshekhar Baraker - Department of Computer Science
8. Prof. Ramdas W - Department of Criminology & Forensic Science

Student Secretaries of Science Association.

1. Ms. Kavya rathod
2. Mr. Manoj R. P

Prof.(Mrs.) M.S.Salunke

Principal, President of Science Association(KCCS)

Dr. Blaise Lobo

Chairman, Science Association(KCCS)

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
SCIENCE ASSOCIATION

Dharwad
3rd February 2023

AGENDA

**INAUGURAL FUNCTION OF THE SCIENCE ASSOCIATION, KARNATAK
SCIENCE COLLEGE, DHARWAD (2022-2023)**

1. Invocation song by Ms. Tejaswani Devaramani (12:00 noon – 12:05 pm)
2. Welcome Speech by Ms. Meghana Nayak (12:05 pm – 12:15 pm)
3. Introduction of the Chief Guest by Dr. Blaise Lobo, Chairman of the Science Association, KSCD. (12:15 pm – 12:20 pm)
4. Inauguration of activities of Science Association of KSCD for 2022-23 by lighting the lamp. (12:20 pm – 12:25 pm)
5. Inaugural Speech by Dr. David A Shakoor, Chief Guest. (12:25 pm – 12:50 pm)
6. Presentation of certificates to participants in the Workshop conducted by the Einstein Study Circle, Department of Physics, KSCD (12:50 pm – 1:00 pm)
6. Presidential Remarks by Dr. S. C. Chougala, Principal, Karnatak Science College, Dharwad. (1:00 pm – 1:10 pm)
7. Vote of Thanks by Ms. Kavya Rathod, Student Secretary, Science Association, KSCD. (1:10 pm – 1:15 pm)

Note: Compèring by Ms. Rakshita S. G.

Gymkhana: he 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. 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.

**Karnatak University's
Karnatak Science College Gymkhana,Dharwad
Governing Body for 2022-2023**

| Sl No | Departments | Chairpersons | Student Secretaries |
|-------------------|---------------------------|---------------------------|--|
| 1 | President | Prof.(Mrs.) M.S.Salunke | |
| 2 | Vice President | Prof. Dr. J. T. Gudagur | |
| 3 | Physical Director | Shri D.B.Govindappa | |
| 4 | Cultural Activibes | Dr. (Smt.) V.B.Savimath | Master Akshay K.Hegde |
| 5 | Youth Festival | Smt. Kalpana Delwai | Ms.Mahalakshmi Gobbar Ms.Poornima M.Savacattimath |
| 6 | Sports | Dr. R.G.Kalkhambkar | Master Dixit Nayak |
| 7 | Cricket | Dr. S. Manjunath | Master Manjunath Nemagouda |
| 8 | Badminton & Indoor Games | Dr. K. S. Katagi | Master Varun Desai |
| 9 | Volley Ball & Basket Ball | Dr. J. T.Gudagur | Master Rohit Singh |
| 10 | Foot Ball & Hockey | Dr. S. D. Dhurwad | Master Suresh Lamari |
| 11 | Debate & Wall Paper | Dr. (Smt.) Jayalakshmi K. | Master Divij R.Nayak |
| 12 | Indian Games | Dr. S. Nagaraj | Master Indrakumar Kolkar |
| 13 | Reading Room | Dr. (Smt.) Reshma Nesargi | Master Satyanarayan Myakal |
| 14 | Miscellany | Dr. (Smt.)M.S.Salunke | Ms. Bhoomika H.K. Master Varun Kumar K.M. |
| Ex-officio | | | |
| 15 | NCC Office | Shri Rajashekar Baraker | Master Chinmay Ravindra Ms.Vijayalakshmi Langoti |
| 16 | NSS office | Dr. S. S. Mangalwede | Master Naveen M. Mensinkai Ms. Kavya |
| 17 | SWO,KSCCD | Dr. (Smt.) S. P. Masti | Master Gargadhar B. Ms. Shirin B.Shaik |
| 18 | Alka Ladies Association | Smt. Ambika R. | Ms. Aishwarya P.Khemalapur Ms. Sneha P.Kamath |

4. NSS & NCC:

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.

Governing Body

Dr. S. S. Mangalawade
NSS Officer, Department of Zoology,

NCC:

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).

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

Governing Body

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

AKKA Ladies 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.

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.

- 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.
- 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.

Governing Body

Smt. Ambika R,

Chairperson, Akka Association,

Karnatak Science College, Dharwad.

Staff club: Staff club of our college is a recreation centre for teachers.

ICT:

The Karnatak Science College Dharwad (KSCD) has technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research. Class rooms are equipped with LCD Projectors, with supporting accessories. The classrooms in the college are spacious and can accommodate all students comfortably with good view of the board and display. The ventilation and lighting facilities are adequate. The seating facilities and number of desks in the class rooms for the students is well established. Provision is made for usage of internet facility Wi-Fi / LAN / Audio Visual tools augmented in the classrooms. Digital boards are fixed in the classrooms. Audio Visual (AV) tools availability and Power Point Presentations (ppt) used by faculty members in Teaching-Learning paradigm. Each department has at least one Seminar hall, and some of the departments in KSCD have more than one such hall.

2022-23



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INTELLECTUAL PROPERTY RIGHTS (IPR) AND CODE OF CONDUCT

COMPOSITION

2022-23

| Sl No | Name of Faculty | Designation |
|-------|---|-------------|
| 1 | DR (SMT) D. M . SINGH Professor Dept. of Botany | Chairman |
| 2 | Dr. (Smt.) V. B. Saviramath Professor Dept. of Geography | Member |
| 3 | Dr. (Smt) Sarswati Masti Associate Professor Dept. of Chemistry | Member |
| 4 | Dr. (Smt) Nirupama J.M Assistant Professor Dept. of Physies | Member |
| 5 | Dr. S. G .Chebbi Teaching Assistant Dept. of Zoology | Member |
| 6 | Sri. Irappa Arer Teaching Assistant Dept. of Botany | Member |
| 7 | Mr. Surfraj Mujamil Student Representative | |




Principal
Karnatak Science College
Dharwad

**ONE-DAY WORKSHOP ON INTELLECTUAL PROPERTY RIGHTS
BROCHER:**



Karnatak University's

**Karnatak Science College,
Dharwad**



Internal Quality Assurance Cell (IQAC)
In Association With
Student Welfare Office (SWO)
Organizing
ONE DAY WORKSHOP
ON
INTELLECTUAL PROPERTY RIGHTS



Resource person

Smt. Sujata Gadad

Advocate

District Consumer Information Centre (DCIC), Dharwad

President

Dr. S. C. Chougala

Principal

Venue: C-1 Hall

Time: 10.30 to 5.30 PM.

Date: 24-05-2023

YOU ARE CORDIALLY INVITED

Organizing Secretary

Dr. Saraswati P. Masti

Student Welfare officer

Convenor

Prof. L. T. Nayak

IQAC Co-ordinator

Student Secretary's

Gangadhar Mudennavar & Shirin Shaikh

REPORT

One Day Training Programme on Intellectual Property Rights was organized on 24th May, 2023 from 10:30 am to 5:30 pm. The Programme started with registration followed by inaugural function. In this event 74 students were participated. Mrs.Sujata Gadad, an Advocate from the P.G. Department of Law, Karnatak University, Dharwad was the resource person. Mrs. Sujata Gadad provided valuable knowledge about the intellectual property rights and their significance in day to-day life. In fact the training session was fruitful and Participants were benefited. The programme concluded with a valedictory function where certificates were distributed to the participants. Dr. L. T. Nayak, IQAC Co-ordinator, Dr. Saraswati P. Masti, SWO and teaching and non-teaching staff were present in the event.

TWO DAY WORKSHOP ON RESEARCH METHODOLOGY

Two Days Workshop was organized on Research Methodology for all the PG Students of Physics, Chemistry, Mathematics and Botany subjects on 15th and 16th Feb, 2023. This workshop was inaugurated by Dr. H.B.Walikar, former Vice Chancellor, Karnatak University Dharwad on 15th Feb, 2023. He delivered key note address on Big Bang theory and Prime numbers. Dr. Nilkamal Mahanta, Head, Department of Chemistry, IIT - Dharwad gave first invited talk. First talk was on the topic: "Higher Studies, Research Opportunities and Career Prospects in Science". He told students how one can get into IIT through various modes like JEE, GATE, Project Fellowship to pursue their education at IIT's and IISc and National institutes of research . Dr. M. K. Rabinal, Professor, Department of Physics, Karnatak University, Dharwad gave the second invited talk on the 16th Feb, 2023. Professor's focus of the lecture was on Research methodology, and highlighted the mode of research encouraged to look at the existing problems around us and analyze it. Dr. Koushik Saha, Assistant Professor, Department of Physics, IIT Dharwad, delivered lecture on the History of Evolution of Science and Physics. Principal of the college Dr. S. C. Chougala was present throughout the workshop and felicitated all invited speakers and guests. H.O.D of all PG departments, Dr. S. D. Dummawad, Dr. K. Koteresh, Prof. Ambika R., Prof M. R. Ranganath Prof. Blaise Lobo, Chairman, Science Association, Dr. Geeta Chavan, Dr. O. Kotresh, Dr. K. S. Katagi, Prof. Lalita Naik, Prof. Kalpana Dalawai were also present.



Dr. Nilkamal Mahanta, Head, Department of Chemistry, IIT - Dharwad delivering a invited talk.



Staff of the College introducing the Resource person.



Dr. M.R.Ranganath Department of Physics giving the introduction of Dr. M. K. Rabinal, Professor, Department of Physics, Karnatak University, Dharwad



Dr. M. K. Rabinal, Professor, Department of Physics, Karnatak University, Dharwad giving a lecture.



Dr. Koushik Saha, Assistant Professor, Department of Physics, IIT Dharwad, delivered lecture on the History of Evolution of Science and Physics.

2021-22

IPR Cell



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KARNATAK SCIENCE COLLEGE, DHARWAD

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INTELLECTUAL PROPERTY RIGHTS (IPR) AND CODE OF CONDUCT

COMPOSITION

2021-22

| Sl. No | Name of the faculty | Designation |
|--------|--|-------------|
| 1 | Dr. (Smt.) D. M . Singh Associate professor Dept. of Botany | Chairman |
| 2 | Dr. (Smt.) V B Saviramath Associate professor Dept. of Geography | Member |
| 3 | Dr. (Smt.) Sarswati Masti Assistant professor Dept. of chemistry | Member |
| 4 | Smt. Nirupama J.M Assistant professor Dept. of physics | Member |
| 5 | Dr. S. G. Chebbi Teaching Assistant Dept. of Zoology | Member |
| 6 | Mr. Sachin . Student Representative | Member |




Principal
Karnatak Science College

IQAC INITIATED TWO DAYS ENRICHMENT TRAINING ON “MATHEMATICAL OPERATIONS WITH SCILAB”

Report of IQAC initiated two days enrichment training on “Mathematical operations with Scilab”, held on 17-18 May, 2022, organized by P. G. Department of Mathematics, Karnatak Science College, Dharwad (KSCD). The enrichment training on “Mathematical operations with Scilab”, was organized by P. G. Department of Mathematics, Karnatak Science College, Dharwad from 17th to 18th May, 2022 for the Post Graduate students of Mathematics. The programme was an initiative by IQAC, Karnatak Science, College, Dharwad. The purpose of the training was to expose the students to perform basic matrix and vector manipulation, to do basic 2D plotting, test algorithms or numerical computations.

More than 70 students attended the programme. The programme was inaugurated by Dr. S. C. Chougala, Principal, KSCD, Dr. P. G. Patil, Chairman, Dept. of Mathematics, Karnatak University, Dharwad and other invitees with coordinator. Eminent speakers such as Dr. Shreenivas Kersur (GIT, Belagavi), Dr. Kakasab Mirji (GIT, Belagavi), Dr. Shashikant (JSS, Dharwad), engaged the sessions on various mathematical operations with Scilab, such as how to write functions in Scilab, perform basic Matrix and Vector manipulation, write Scilab code utilizing basic loops such as, if and for, do basic 2D plotting, and methods to solve differential equations. There were total 04 sessions, each of three hours duration. In the valedictory function Dr. Shashikant (JSS, Dharwad) was the chief guest, Dr. S. C. Chougala (Principal, KSCD) was the president and Dr. C. G. Patil (co-coordinator IQAC, KSCD) and Smt. L. R. Nayak (HOD, Dept. of Computer Science, KSCD) were the Guests of Honor.

Organizing Committee: 1. Smt. Ambika R., Coordinator, PG Mathematics - Coordinator 2. Dr. Raju B. J., Teaching Assistant - Organizing Secretary 3. Dr. (Smt.) Nafisabanu K., Teaching Assistant - Member 4. Dr. (Smt.) Pushpa M. N., Teaching Assistant - Member 5. Mr. Ashoka K., Guest Faculty - Member We are thankful to IQAC, KSCD for initiating the programme. Also we are thankful to authorities of Karnatak Science College, Dharwad for their support and encouragement to conduct this programme.

PHOTOGRAPHS:



17/05/2022 10:39 am
Dharwad

KARNATAKA SCIENCE COLLEGE, DHARWAD



One Day Training Programme on Entrepreneurship

5."TWO DAYS SKILL ENHANCEMENT PROGRAM ON EMBEDDED SYSTEMS USING ARDUINO"

REPORT:

Two Days Skill Enhancement Program On Embedded Systems Using Arduino" (For B. Sc. (Electronics) and M.Sc. (Physics) Students) Department of Physics/Electronics in association with IQAC, Karnatak Science College, Dharwad has organised two days skill enhancement training on "Embedded system using Arduino" for B.Sc. (Electronics) and M.Sc. (Physics) students on 18th -19th May 2022. 32 students participated in the training program. The training programme was inaugurated by Principal, Dr. S.C. Chougala. In his inaugural address, Principal emphasised on developing additional skills along with regular academic programme. Dr. L.T. Nayak, Coordinator, IQAC, has opined that, the quality of the institutions can only be elevated by conducting such training programmes to the younger generation. Prof. M.R. Ranganath H.O.D., Department of Physics, motivated the students to involve actively and make best use of the opportunity. Dr. (Smt.) Nirupama J.M., Coordinator, Electronics, explained about the objectives and importance of the training programme. Embedded systems have become integral part of life. They have wide range of applications such as in automobiles, Digital TV, ATM, home appliances, security systems, Missile tracking system and so on. Any device that includes a programmable computer is an embedded system. It performs specific task but it is not a general purpose computer. The necessity of sensors, transducers, operating systems and sophisticated user interfaces is increasing exponentially hence any electronic device can be easily designed using embedded development board known as Arduino. In this training, Arduino UNO open source microcontroller At Meg 328P board was used. Resource Persons, Mr. Vinayak Nayak and Mr. Avinash Kambale of Physics/Electronics Department, have trained the students to program the Arduino using C code and accessing the pins on the board via software to control the external devices. In addition, a hands-on training was given to the students on interfacing of LED and LED blinking, Buzzers, LCD, Stepper motor, Finger print sensor, Ultrasonic sensor and Global system for mobile communication.

Chief Guest of the valedictory function, Dr. (Smt) Jyothi S.Bali, Assistant Professor of Automation and Robotics Department of K.L.E. Technological University, Hubli, persuaded the students to develop logical thinking skills in programming to design electronic devices using Arduino. Dr. C. G. Patil, Co-Coordinator, IQAC, highlighted

the importance of embedded system in daily life. All the staff members of the Department had participated in the function. Mr. M.I. Charanthimath welcomed the gathering, Kumari Deepa and Lakshmi invocated, Mr. Ranganath Yadav had proposed the vote of thanks. Kumari Navya and Sindhu had conducted the programme.







D College
n Building
College Rd
Google

Dharwad, Karnataka, India
FX3X+MJB, Malmaddi, Dharwad, Karnataka
580001, India
Lat 15.454186°
Long 74.999016°
18/05/22 11:23 AM

2020-21

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COMPOSITION

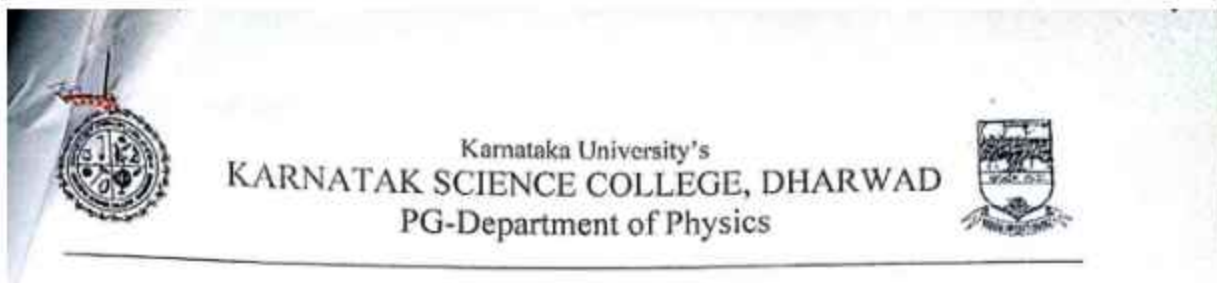
2020-21

| Sl No | Name of the faculty | Designation |
|-------|--|-------------|
| 1 | Dr. (Smt.) D. M. Singh Associate Professor Dept. of Botany | Chairman |
| 2 | Dr. (Smt.) V. B. Saviramath Associate professor Dept. of Geography | Member |
| 3 | Dr. (Smt.) Sarswati Masti Assistant Professor Dept. of chemistry | Member |
| 4 | Smt. Nirupama J.M Assistant professor Dept. of physics | Member |
| 5 | Dr. S. G. Chebbi Teaching Assistant Dept. of Zoology | Member |
| 6 | Kum. Neha Shurpali Student Representative | Member |




Principal
Karnatak Science College
Dharwad

1. In association with Higher Education Academy, Dharwad webinar programme was conducted for the benefit of M.Sc. I and II year students and faculty members on research methodology in Physics.



Date: 10/5/2021

NOTICE

This is to inform that PG-Department of Physics is organizing webinar on “**Research Methodology in Physics**” by eminent scientist, Prof. S.M.Shivaprasad, Director, Karnataka State Higher Education Academy Dharwad, for M.Sc I & II year students. This webinar will be conducted from 12/5/2021 to 11/6/2021 (7 sessions). This program has been organized to motivate young students of this PG-Department to take research in various fields of Physics in Universities and Premier National Research Institutes. Hence all PG students are advised to attend this program without fail.

Head of the Department

HEAD
Department of Physics
Karnatak Science College, Dharwad



Karnataka University's
KARNATAK SCIENCE COLLEGE, DHARWAD
PG-Department of Physics



Attendance of Webinar on Research Methodology in Physics- 2021

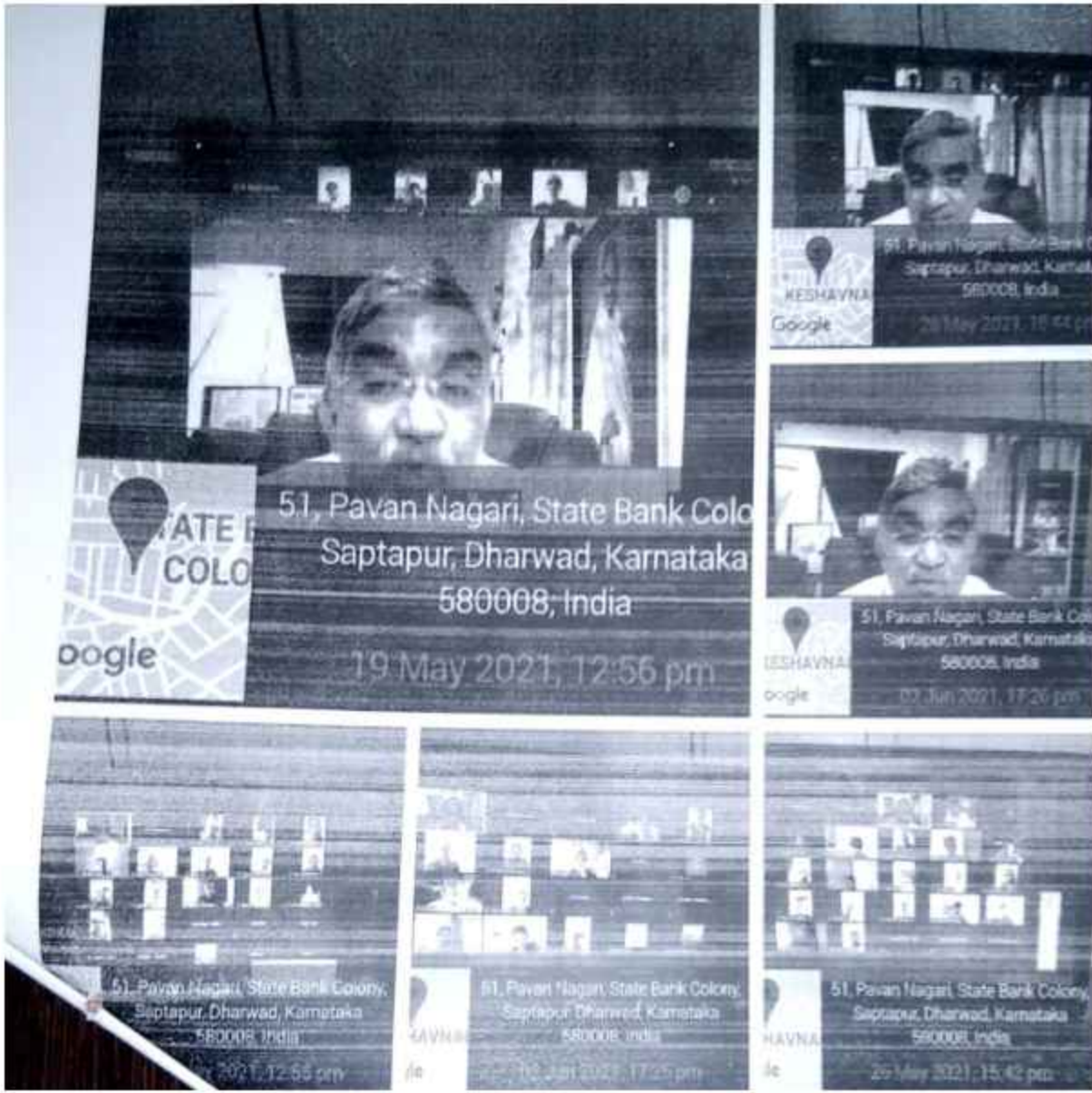
| Reg.No | Name | 12 th May | 19 th May | 26 th May | 2 nd jun | 8 th jun | 11 th jun | 17 th jun |
|---------------------|-----------------------|----------------------|----------------------|----------------------|---------------------|---------------------|----------------------|----------------------|
| M.Sc-I Year: | | | | | | | | |
| 20S16001 | Abhishek.Tolanur. | P | P | P | A | P | P | A |
| 20S16002 | Akshata.P.Naragatti. | P | P | P | A | A | P | P |
| 20S16003 | Ashwini.K. | P | P | P | P | A | P | A |
| 20S16004 | Avinash.Patil. | P | P | P | A | P | A | P |
| 20S16005 | Chinmaye.Malimath. | P | P | P | P | P | P | P |
| 20S16006 | Divya.M.Ramana. | P | | | | | | |
| 20S16007 | Harsha.N.P. | P | P | P | A | A | P | A |
| 20S16008 | Harsha.R.Yamanur. | P | P | P | P | A | P | P |
| 20S16009 | Hazratbi.Mulla. | P | P | P | P | A | P | A |
| 20S16010 | Jyoti.Jamanoor. | P | P | P | A | A | P | P |
| 20S16011 | Lata.Patil | P | P | P | P | P | P | A |
| 20S16012 | Lavanya.Angadi. | P | P | P | P | P | A | P |
| 20S16013 | Meghana.M.Kandgol. | P | P | P | P | A | P | A |
| 20S16014 | Nivedita.G.Kurlageri | P | P | P | A | P | A | P |
| 20S16015 | Pooja.B | P | P | P | A | A | P | P |
| 20S16016 | Pradeep.Inchangi. | P | P | P | P | P | P | A |
| 20S16017 | Priya.P.Doddamani. | P | P | P | P | P | A | P |
| 20S16018 | Remka.K | P | P | P | P | A | P | P |
| 20S16019 | Sandeep. | P | P | P | A | A | P | P |
| 20S16020 | Sharanabasava.C.H. | P | P | P | P | P | A | P |
| 20S16021 | Sheetal.Guruvareddyar | P | P | P | A | P | P | A |
| 20S16022 | Shubha.S.Bhajantri. | P | P | P | P | P | P | P |
| 20S16023 | Sneha.Y.Chatur. | P | P | P | P | P | P | P |
| 20S16024 | Sneha.Doddamani. | P | P | P | P | A | P | A |
| 20S16025 | Sneha.Yarashi. | P | P | P | A | A | P | P |
| 20S16026 | Sonal.Kalal. | P | P | P | P | P | A | P |
| 20S16027 | Soumya.B.Banakar. | P | P | P | P | P | P | P |
| 20S16028 | Srilaxmi.Patil. | P | P | P | P | P | P | P |
| 20S16029 | Scushi.Donur. | P | P | P | A | P | A | P |
| 20S16030 | Suma.Patil. | P | P | P | P | P | P | P |
| 20S16031 | Varad.Phadake | P | P | P | A | P | P | P |
| 20S16032 | Varha.C.Chakkadi. | P | P | P | P | P | P | P |

| | | | | | | | | |
|---------------|------------------|---|---|---|---|---|---|---|
| 19S16033 | Vidya.M | P | P | P | P | A | A | P |
| 20S16034 | Vinuta.V.Dudyal. | P | P | P | P | A | A | P |
| 20S16035 | Yashoda.B.Patil | P | P | P | P | P | A | P |
| M.Sc-II Year: | | | | | | | | |
| 19S16001 | Anita Kothur | P | P | P | P | P | P | P |
| 19S16002 | Apoorva Hallur | P | P | P | P | P | P | P |
| 19S16003 | Aruna Malakhej | P | P | P | P | P | P | P |
| 19S16004 | C.Veeresh | P | P | P | P | P | P | P |
| 19S16005 | Chaitrika K. | P | P | P | P | P | P | P |
| 19S16006 | H. M. Nandan | P | P | P | P | P | P | P |
| 19S16007 | Kavya.D. | P | P | P | P | P | P | P |
| 19S16008 | Kishor M | P | P | P | P | P | P | P |
| 19S16009 | Laxmi Chavan | P | P | P | P | P | P | P |
| 19S16010 | Moinkhtar.H. | P | P | P | P | P | P | P |
| 19S16011 | Nagesh | P | P | P | P | P | P | P |
| 19S16012 | Prashant H | P | P | P | P | P | P | P |
| 19S16013 | Priyanka N | P | P | P | P | P | P | P |
| 19S16014 | Sampada P | P | P | P | P | P | P | P |
| 19S16015 | Shivrajgouda | P | P | P | P | P | P | P |
| 19S16016 | Supriya I | P | P | P | P | P | P | P |
| 19S16017 | Theresa | P | P | P | P | P | P | P |
| 19S16018 | Uzmanoz M.S | P | P | P | P | P | P | P |
| 19S16019 | Vaman kulkarni | P | P | P | P | P | P | P |
| 19S16020 | Veeresh | P | P | P | P | P | P | P |

Faculty members in charges

1. Dr. Lokit Naik *Lokit Naik*
2. Ranganath C. Yedur *R. Yedur*
3. Manjunath Channarayana *Manjunath Channarayana*
4. Shrutela Makarapur *Shrutela Makarapur*

[Signature]
 Department of Physics
 Karnatak Science College, Dharwad





Karnataka University's
KARNATAK SCIENCE COLLEGE, DHARWAD
PG-Department of Physics



Phone: 0836-2215402
Fax : 0836-2744334

Email: guruked@gmail.com
Website: www.kscd.ac.in

REPORT ON WEBINAR ON RESEARCH METHODOLOGY

The webinar on “**Research Methodology in Physics**” was organized by PG-Department of Physics Karnatak Science College, Dharwad and was inaugurated by eminent scientist, Prof. S.M.Shivaprasad, Director, Karnataka State Higher Education Academy Dharwad on 12/5/2021. He addressed all post graduate student participants told about upcoming webinar topics. He conducted six online sessions to give information Research Methodology and other aspects. The next session was conducted on 19/5/2021 in that he has highlighted the importance of research on basic science (Semiconductor Physics, Opto-electronics, Optical fiber.. etc) towards industrial application and also motivated the students to do industrial application oriented research work.

In third session he explained how observations are to be made in Physics experiments by taking simple Physics problem on elastic and inelastic collision. With this example he showed how to collect data, how to interpret the data like a scientist. As it was LOCKDOWN period and all students were at home, at the end of this session he advised the PG-students to choose their Physics problem and come with some scientific results by doing simple experiments at home. He asked students to plot graphs on the experimental observation.

In the fourth session he has considered one of the problems that were taken by the students, further he has carefully observed the data and did one to one interaction with the student on that problem and analyzed that data using scientific approach. At the end of this session he showed what were the errors made by the students and suggested some important scientific skill/techniques to overcome errors.

In the fifth and sixth session, interaction are mainly focused on how to analyze experimental data, keypoints that should be taken from the experimental observations and how to organize data so that it gives a perfect experimental outcome.

In final session, he gave some information about international peer reviewed journal (Elsevier, Springer, RSC etc.) and how to send a research paper to these publishers.



Nearly 55 PG students and 15 faculty members attended all the sessions of this webinar program. All students participated actively and enthusiastically in the interaction program conducted at the end of each session. Resource person was very much satisfied with quality of interaction took place during the program. Students gave very good feedback about this program.



H.P.A.G.
Department of Physics
Karnatak Science College, Tanjavur

2. One day virtual training on Awareness on "Intellectual Property Rights"

BROUCHER:

 **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. L. 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.G.Kalkhambkar, Dr.D.S.Narayankar

Online attendance for "One Day Virtual Training on Awareness on Intellectual Property Rights"

| Attendance for: | class-list | | | "Meet ID:" | | |
|---|--------------|---------|------------|----------------|-------------|---------------|
| Date: | "2021-05-30" | "Time:" | "12:04" | "fpx-vvwx-hmp" | | |
| Names | "2021-05-30" | "Email" | "Comments" | "Arrival time" | "Last Seen" | "# of Checks" |
| Babu | "â€" | "" | "" | "12:04" | "12:04" | "1" |
| Pooja Bhajantri | "â€" | "" | "" | "12:04" | "12:04" | "1" |
| Veena.M. Bhandari | "â€" | "" | "" | "12:04" | "12:04" | "1" |
| Rekha S Bhikshavatimath | "â€" | "" | "" | "12:04" | "12:04" | "1" |
| Pallavi Chakravarthi | "â€" | "" | "" | "12:04" | "12:04" | "1" |
| Akshata Chavan | "â€" | "" | "" | "12:04" | "12:04" | "1" |
| Prajna Deshpande | "â€" | "" | "" | "12:04" | "12:05" | "2" |
| Bn Dotikal | "â€" | "" | "" | "12:04" | "12:05" | "2" |
| Dr. Ms. Annapurna Kishore N.S.A.M. First Grade College, Bengaluru | "â€" | "" | "" | "12:04" | "12:05" | "2" |
| Prajwal Ganiger | "â€" | "" | "" | "12:04" | "12:04" | "1" |
| Guruprakashreddy | "â€" | "" | "" | "12:04" | "12:04" | "1" |
| Akshata Hiremath | "â€" | "" | "" | "12:04" | "12:04" | "1" |
| Nirupama Jagadeeswar | "â€" | "" | "" | "12:04" | "12:04" | "1" |
| Nivedita Javali | "â€" | "" | "" | "12:04" | "12:04" | "1" |
| Kavya Karikai | "â€" | "" | "" | "12:04" | "12:04" | "1" |
| Kavita Lamani Kavita | "â€" | "" | "" | "12:04" | "12:04" | "1" |
| Mallika Kengal | "â€" | "" | "" | "12:04" | "12:04" | "1" |

| | | | | | | |
|-----------------------------|---|----|----|---------|---------|-----|
| Vivek M.D | "âœ™" | "" | "" | "12:04" | "12:05" | "2" |
| Naveen Kumar Menasinakai | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| Gs Mulgund | "âœ™" | "" | "" | "12:04" | "12:05" | "2" |
| Deepak Narayankar | "âœ™" | "" | "" | "12:04" | "12:05" | "2" |
| Lokesh Nayak | "âœ™" | "" | "" | "12:04" | "12:05" | "3" |
| Kotresh Obelannavar | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| Akshay A P | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| Arundhati Patil | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| Chandrashekhar Patil | "âœ™" | "" | "" | "12:04" | "12:04" | "3" |
| Kavita H Patil | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| Channabasavva Pattanashetti | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| Adarsh Pundalik | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| Rajesh | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| Mannekote Ramamurthy | "âœ™" | "" | "" | "12:04" | "12:05" | "2" |
| Ranganath | "âœ™" | "" | "" | "12:04" | "12:05" | "2" |
| Amol Rathod | "âœ™" | "" | "" | "12:04" | "12:05" | "2" |
| Nagaraja S | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| Rajeshwari S | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| Manjalee Salunke | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| K Suvrat | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| Jyoti Varadani | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| Lingaraj S Yalagond | "âœ™" | "" | "" | "12:04" | "12:04" | "1" |
| Help/more info: | "https://tinyurl.com/y5peu3nk" | | | | | |
| Â© Google Meet Attendance | https://tinyurl.com/y6k2yqts | | | | | |

Brief Report of Webinar on Intellectual Property Rights (IPR)

In view of Covid-19 Lockdown situation and looking in to the present needs of the importance of Intellectual Property Rights, Karnatak Science College, Dharwad IQAC Cell has organized “**One Day Virtual Training on Awareness on Intellectual Property Rights**” on 30-05-2021 at 11.00 AM. The resource person Mrs. M.S.Annapurna Kishor Kumar, Assistant Professor from N.S.A.M. First Grade College, Krisnarajapura, Bengaluru and an IPR expert had delivered a thought provoking lecture on the importance and the need of IPR in day to day life. There were Fifty six participants benefited. There were many questions raised by the audience and the resource person addressed all the queries in a befitting manner.

INTERNATIONAL WEBINAR ON EMERGING INNOVATIONS IN BIOTECHNOLOGY BROCHER



Karnatak University's
KARNATAK SCIENCE COLLEGE
DHARWAD, INDIA

One Day International Webinar
On
EMERGING INNOVATIONS
IN BIOTECHNOLOGY
(IWEIBT-2020)
17th December, 2020



Organized By
Department of Biotechnology & IQAC



CHIEF PATRON



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

PATRON



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

CO-PATRON



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

ORGANIZING COMMITTEE

Dr(Mrs). M.S. Salunke
HOD, Chemistry & Convener

Dr. L.T. Nayak
IQAC Coordinator

Dr. R.G. Kalkhambkar
Coordinator Biotechnology &
Organizing Secretary

MEMBERS

Dr. S.D. Dhurwad
Dr. S.M. Tumar
Dr. V.A. Amruthbhai
Dr. O. Ratnash
Dr(Mrs). Jayalakshmi K.
Dr. K.S. Katagi
Dr(Mrs). S.P. Masti
Dr. Kajappa S.K.

TECHNICAL STAFF

Mrs. Shalaja M.
Dr. R. B. Vantamuri
Miss. Ansha Aradhya

Department of Biotechnology
Karnatak Science College, Dharwad

Inauguration : **IST: 10.30 am - 11.00 am**

Session 1: IST: 11.00 pm- 12.00 noon



"Prognostic & Diagnostic Role of Micro RNA's in Skin Cancer"

Dr. Nityanand Maddodi
Hospital Research Scientist
University of Colorado
Health Aurora, Colorado, USA

Session 2: IST: 12.15 pm- 01.15 pm

"Relevance of Drosophila as a Research Model in Modern Biology"



Dr. Srinath B.S.
Assistant Professor
Department of Zoology
Karnatak University
Dharwad

Session 3: IST: 02.30 pm- 03.30 pm



"Biotechnology of Human Gut Microbiom: Health, Aging and Diseases"

Dr. Suneel S. Daddamani
Scientist Grade-I
KLE, Belagavi

IST: 03.30 pm - 04.00 pm : VALIDICTORY

ABOUT THE COLLEGE

The Karnatak University is the second oldest University in Karnataka state and is one of the reputed educational and research institutions in India. Based on the outstanding research the Karnatak University selected as University with Potential Excellence (UPE) by UGC, New Delhi. Karnatak University took over the Karnatak College to run it as an autonomous model college. Later, Karnatak College Subordinated into Karnatak Science College and Karnatak Arts College during same session with 50 acres of land. Dr. B.S. Ramaswamy, a student of the Nobel laureate, Sir D.V. Bowen, was the first principal of Karnatak Science College, Dharwad. Presently, the college has celebrated its Centenary Year. The college has 17 basic science departments, BCA and BBA (Computer science), PG courses in Chemistry, Physics, Mathematics and Botany. The college offers programs leading to B.Sc., M.Sc., M.Phil and Ph.D. degrees. All the departments are recognized as research centers. Some are funded by UGC, DST (SERB) and VSSST etc. The college has produced more than 25 Ph.Ds.

Registration Link :

WhatsApp Link :

<https://t.me/whatsappnew/LW7VajlurD1U8Chb0d>

<https://t.me/whatsappnew/HbXqoX7AAcHMp0L2K00>

IMPORTANT ANNOUNCEMENTS

- 1.Registration is free. Academicians, Faculty members & Research Scholars and Students from Universities and Colleges may participate.
- 2.Registration is compulsory and attendance for all the sessions is mandatory.
- 3.E-Certificate will be issued to the registered participants only after submitting duly filled feedback form.

ABOUT THE DEPARTMENT

The department of Biotechnology was introduced in the year 2002-05 for biotechnology department is an accredited by the member department ministry. The department successfully was established by Dr. V.N.Ash as first convener and Prof. S.K. Shastri as the head of the department. Presently the department is running under the co-mentorship of Dr. R.G. Kalkhambkar and guided by Dr.Jeni M.S.Salunke, H.O.D. Department of chemistry. The biotechnology department is housed under the chemistry building with well equipped laboratory, classroom and library. The department is working in strength and facilities day by day to reach the requirements of young minds. The department was started with initial admission of 20 students at present the department is having 90 students pursuing their Bachelor's degree. The department pursues the needs of the students by organizing regular guest lectures and seminars by eminent personalities. And also as a part of curriculum the department is organizing industrial visits for research laboratories and industries for providing the academic knowledge of the students. The department is produced good number of students who have achieved the greater heights in their research fields doing their doctorate and postdoctoral studies in India and abroad.



ABOUT THE CONFERENCE

Biological sciences has played a dynamic role in improving the challenges regarding to human health as it has flexibility to induce global health solutions by the process of promoting innovations. Biotechnology covers a broad spectrum of scientific applications that are applied in many various involving health, agriculture and environment. The improvement of human health by the use of Biotechnological advances in molecular diagnostics, medicines, vaccines, nutritionally enriched genetically modified crops and waste management, health, life quality and expectancy of life have been realized worldwide through the services provided by Biotechnology. The webinar intended to step forward to bring researchers, biotechnologists in biological sciences and also have diversified to a common platform together to explore and enlighten the recent progresses in life science.



CONTACT DETAILS

Dr. R.G. Kalkhambkar, Organizing Secretary
Cell No.: +91 9902831760 / 9591703052
mail id: rgkalkhambkar@gmail.com & adiveppa79@gmail.com

Meeting Link Will be Provided Later Through Mail or Whatsapp

REPORT:

“Emerging Innovations in Biotechnology (IWEIBT-2020)”

On 17th December 2020

Organized by Department of Biotechnology,
Karnatak Science College, Dharwad

Chief Patron- Prof. K. B. Gudasi, Hon'ble Vice-Chancellor, Karnatak University, Dharwad, Patron-Dr.Hanumanthappa K.T, Registrar, Karnatak University, Dharwad, Co-Patron-Dr. (Mrs.) A.S.Bellad, Principal, Karnatak Science College, Dharwad, Dr. (Mrs.) M.S. Salunke, HOD and Convener, Dr. R. G. Kalkhambkar, Organizing Secretary and Dr. L.T. Nayak, Coordinator IQAC and Members and Technical staff.

The webinar started with the prayer song followed by welcome speech by Organizing Secretary and all the dignitaries were welcomed with the bouquet.

The webinar was formally inaugurated by Co-Patron (Mrs.) A. S. Bellad, Principal, Karnatak Science College, Dharwad by lighting the lamp and delivered the inaugural address. Dr. R. G. Kalkhambkar, Organizing Secretary proposed the vote of thanks to conclude the inaugural session.

Session I was shared by Dr.NityanandMaddodi, Hospital Research Scientist University of Colorado Health Aurora, Colorado, USA on the topic **“Prognostic and Diagnostic Role of micromRNAs in Skin Cancer”**. This session was chaired by Dr.A. B. Vantamuri, Teaching Assistant, Department of Biotechnology, Karnatak Science College, Dharwad.

The session II was shared by Dr.Srinath B.S,Assistant Professor, Karnataka University, Dharwad on the topic **“Relevance of Drosophila as a Research Model in Morden Biology”**. This session was chaired by Smt. Shailaja M, Teaching Assistant, Department of Biotechnology, Karnatak Science College, Dharwad.

The session III was shared by Dr.Suneel S. Dodamani,Scientist Grade-I, BSRC, Belagavi on the topic **“Biotechnology of Human Gut Microbiom: Health, Ageing and Disease”**. This session was chaired by Miss. AnushaAradhya BS, Teaching Assistant, Department of Biotechnology, Karnatak Science College, Dharwad.

The webinar was conducted by Valedictory function on same day at 4:30 pm.

TWO DAY INTERNATIONAL WEBINAR ON RECENT INNOVATIONS IN CHEMICAL SCIENCES:

BROUCHER:



**KARNATAK SCIENCE COLLEGE
DHARWAD, INDIA**

**Two Day International Webinar
On
RECENT INNOVATIONS
IN CHEMICAL SCIENCES
(IWRICS-2020)
4th & 5th December, 2020**



**Organized By
Department of Chemistry & IQAC**



CHIEF PATRON



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

PATRON



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

CO-PATRON



Dr(Mrs). A.S. Bellad
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Dr. L.T. Nayak
IQAC Coordinator

Dr. R.G. Kalkhambkar
Organizing Secretary

MEMBERS

Dr. S.D. Dhumwad
Dr. S.M. Tuwar
Dr. V.A. Aminabhavi
Dr. O. Kotresh
Dr(Mrs). Jayalakshmi K.
Dr. K.S. Katagi

TECHNICAL STAFF

Dr. K.N. Naik
Dr. N.M. Gekavi
Dr. A.B. Vantamuri
Dr. A. Durganavvar
All Teaching Assistants

4th December, 2020

Inauguration : IST: 10.30 am - 11.30 am

Prof. K.B. Gudasi
Hon'ble Vice-Chancellor, Karnatak University, Dharwad
Keynote address: IST: 11.30 am - 12.30 am

"Modern Era of Polymers & Materials"



Prof. T.M. Aminabhavi
Former Director, CEPS
Karnatak University, Dharwad

Session 1: IST: 12.30 pm- 01.30 pm

"Azulene: An interesting building block for polymer synthesis"



Dr. Vijayendra Shetti
National Institute of Technology
Karnataka, Surathkal

Session 2: IST: 02.30 pm- 03.30 pm

"Nanoelectrochemical Sensor for Neurotransmitters"



Dr. B.E. Kumar Swamy
Kuvempu University

Session 3: IST: 03.35 pm- 05.00 pm

Oral Presentations of Research Papers

5th December, 2020

Session 4: IST: 10.00 am- 11.00 am

"Nuclear Magnetic Resonance Spectroscopy in Biomedical Research"



Prof. G. A. Nagana Gowda
University of Washington,
Seattle, USA

Session 6: IST: 12.20 pm- 1.20 pm

"Role of Chemist in API Process Development and Drug Discovery"



Dr. Gopalakrishnan Aridoss
Deputy Department Head,
Drug Discovery R&D,
Anygen Co., Ltd., South Korea

Session 7: IST: 2.20pm- 3.30 pm

Oral Presentation of Research Papers

Session 8: IST: 3.30pm- 04.30 pm

"Electrodialysis and Energy"



Prof. M.Y. Kariduraganavar
Chairman, PG Dept. of Chemistry
Karnatak University, Dharwad

IST: 04.30 pm - 05.00 pm : VALIDICTORY

ABOUT THE CONFERENCE

Chemical science has made prominent contributions to the development of industry and immediate socio-economic growth of a nation. The impact of these can be readily seen from their varied application in the broad spectrum of Chemistry viz., Medicinal chemistry, Drug design, Pharmaceutical Chemistry, Biomass conversion to bio-fuel, Coordination chemistry, Physicochemical analysis of analysis, Biotechnological innovations, Industrial chemistry, Food sciences, Material sciences, Chemical technologies, Polymer science etc., which play a crucial role in promoting and adapting advanced technologies in the relevant spheres of development.

In the wake of recent scientific and technological advancement, the various branches of chemical sciences regarded as the most influential at the helm of modern civilization in the context of overall livelihood. However, the chemical industries have a stigma as not being eco-friendly, non-polluting and zero waste producing. Therefore, the older technologies have to be replaced by novel, economically viable, environmentally benign

ABOUT THE COLLEGE

The Karnatak University is the second oldest University in Karnataka state and is one of the reputed educational and research institutions in India. Based on the outstanding research the Karnatak University selected as University with Potential Excellence (UPE) by UGC, New Delhi. Karnatak University took over the Karnatak College to run it as its constituent model college. Later, Karnatak College bifurcated into Karnatak Science College and Karnatak Arts College sharing same campus with 55 acres of land. Dr. R.S. Ramaswamiiah, a student of the Nobel Laureate, Sir C.V. Raman, was the first Principal of Karnatak Science College, Dharwad. Recently the college has celebrated its Centenary Year. The college has 7 basic science departments, BCA and BSc (Computer science), IG courses in Chemistry, Physics, Mathematics and Botany. The college offers programs leading to B.Sc., M.Sc., M.Phil and Ph.D. degrees. All the departments are recognized as research centers. Some are funded by UGC, DST (SERB) and VOST etc. The college has produced more than 55 Ph.Ds.

ABOUT THE DEPARTMENT

The Department of Chemistry was established in 1924. The department is enriched with 10 subsidiary Teachers with doctoral degree, some experienced with post doctoral from USA. Faculty members progressively involved in various research areas viz., Metal complexes, Reaction kinetics, Synthetic organic chemistry, Polymer science, Electrochemistry, Bio-fuel, Electrochemistry, Cerium Science, and Biomedical research etc.. The Karnatak University's Scientific Instrument Centre is the major source of technical support. The department possesses basic research amenities including several sophisticated instruments required for research activities. Department of Chemistry is rated as one of the best for its teaching and research activities. The department has received various research project funds by VOST, UGC, DST, and SERB. In addition to projects, some of the faculty members have received awards for best publications from VOST office of Dharwad and

CALL FOR ABSTRACT

The organizing committee of the webinar invites you to submit your Original Research Abstracts for oral presentation. Abstracts of various themes shall be submitted online to the respective emails; the submission window will be closed by 1st December, 2020. Only limited number of abstracts are selected for oral presentation. However, all accepted abstracts shall be published online and e-certificate will be issued to the registered participant only after submitting duly filled feedback through link given later.

THEMES OF THE WEBINAR

- Analytical Chemistry and its Advancement**
Mail id: achem.kscd@gmail.com
Coordinator: **Dr. Rajappa S.K.**
- Inorganic Chemistry and its Medicinal Applications**
Mail id: ichem.kscd@gmail.com
Coordinator: **Dr(Mrs). S.P. Masti**
- Medicinal and Pharmaceutical Chemistry**
Mail id: mchem.kscd@gmail.com
Coordinator: **Dr(Mrs). Jayalakshmi K**
- Polymers and its Applications**
Mail id: pchem.kscd@gmail.com
Coordinator: **Dr. S.M. Tuwar**
- Bio energy and Bio chemical innovations**
Mail id: bchem.kscd@gmail.com
Coordinator: **Dr. K.S. Katagi**
- Synthetic Organic Chemistry**
Mail id: ochem.kscd@gmail.com
Coordinator: **Dr. O. Kotresh**

ABSTRACT SUBMISSION GUIDELINES

The abstract having not more than 300 words prepared in MS Word with Times New Roman font size 12 and it will have title

PHOTOGRAPHS:



REPORT OF THE WEBINAR

“Recent Innovations in Chemical Sciences (IWRICS-2020)”

On 04th & 05th December 2020

Organized by Department of Chemistry,
Karnatak Science College, Dharwad

Chief Patron- Prof. K. B. Gudasi, Hon'ble Vice-Chancellor, Karnatak University, Dharwad, Patron-Dr. Hanumanthappa K. T, Registrar, Karnatak University, Dharwad, Co-Patron-Dr. (Mrs.) A. S. Bellad, Principal, Karnatak Science College, Dharwad, Dr. (Mrs.) M.S. Salunke, HOD and Convener, Dr. R. G. Kalkhambkar, Organizing Secretary and Dr. L.T. Nayak, Coordinator IQAC and Members and Technical staff.

The webinar started with the prayer song by Miss. Shraddha Murshillin followed by welcome speech by convener Dr. (Mrs.) M.S. Salunke, HOD of Chemistry, Karnatak Science College, Dharwad and all the dignitaries were welcomed with the bouquet.

The Chief Guest was introduced by Dr. S. M. Dhumwad, Associate Professor, Department of Chemistry, Karnatak Science College, Dharwad. Then the webinar was formally inaugurated by Chief Patron Prof. K. B. Gudasi, Hon'ble Vice-Chancellor, Karnatak University, Dharwad by lighting the lamp and delivered the inaugural address. Then our principal Dr. (Mrs.) A. S. Bellad gave presidential remarks. Dr. R. G. Kalkhambkar, Organizing Secretary proposed the vote of thanks to conclude the inaugural session.

The key note address was started by Dr. S. M. Tuwar, Associate Professor, Department Chemistry, Karnatak Science College, Dharwad. Welcomed and introduced the key note speaker Prof. T. M. Aminabhavi, Former Director, CEPS, Karnatak University, Dharwad. The key note speaker delivered the lecturer on “**Modern Era of Polymers and Materials**” and this session was concluded.

Session I was shared by Dr. Rajaram K. Nagarale, CSIR-Central Salt and Marine Chemical Research Institute Bhavnagar, Guajrat on the topic “**Ion-Exchange Membranes and Device Applications**”. This session was chaired by Dr. (Mrs.) S. P. Masti, Assistant Professor, Department of Chemistry, Karnatak Science College, Dharwad.

The session II was shared by Dr. B. E. Kumarswamy, Kuvempu University, Shivamogga on the topic “**Nano Electrochemical Sensor for Neurotransmitters**”. This session was chaired by Dr. S. K. Rajappa, Assistant Professor, Department of Chemistry, Karnatak Science College, Dharwad. The technical session III was conducted for **Oral Presentation of Research Papers for Research Students**. This session was started and concluded by Dr. K. S. Katagi, Assistant Professor, Department of Chemistry, Karnatak Science College, Dharwad. On 5th December 2020 session IV was started.

The session IV was shared by Prof. G. A. Nagana Gowda, University of Washington, Seattle, USA on “**Nuclear Magnetic Resonance Spectroscopy in Biochemical Research**” This session was chaired by Dr. (Mrs.) Jayalaxmi K., Assistant Professor, Department of Chemistry, Karnatak Science College, Dharwad.

The session was chaired by Dr. Sachinkumar, Deputy Director, Biochemical Conversion, NIBE, Kapurthala, Punjab, India. This session was chaired by Dr. K. S. Katagi, Assistant Professor, Department of Chemistry, Karnatak Science College, Dharwad.

The session VI was shared by Dr. Gopalakrishanan Aridoss, Deputy Department Head, Drug Discovery R & D, Anygen Co. LTD, South Korea on “**Role of Chemistry in API Process Development and Drug Discovery**”. This session was chaired by Dr. R. G. Kalkhambkar, Organizing Secretary, IWRICS-2020. The technical session VII was conducted for **Oral Presentation of Research Papers for Research Students**. This session was conducted by Dr. O. Kotresh, Associate Professor, Department of Chemistry, Karnatak Science College, Dharwad.

The session VIII was shared by Prof. M. Y. Karidurganavar, Chairman, P. G. Department of Chemistry, Karnatak University, Dharwad. On “**Electrodialysis and Energy**”. The speaker was welcomed and introduced by Dr. (Mrs) M. S. Salunke, Convener, IWRICS-2020 and HOD of Chemistry, Karnatak Science College, Dharwad.

The webinar was conducted by Valedictory function on 5th December 2020 at 3:30 pm. The Chief Guest for valedictory session was Prof. M. V. Kulkarni, retired Dean, Karnatak University, Dharwad and Prof. M. Y. Karidurganavar, Chairman, P. G. Department of Chemistry, Karnatak University, Dharwad. The Chief Guest were welcomed by bouquet by Dr. (Mrs) M. S. Salunke, Convener, IWRICS-2020 and HOD of Chemistry, Karnatak science

College, Dharwad. Dr. R. G. Kalkhambkar, Organizing Secretary, IWRICS-2020 presented the two day international webinar report. Then our principal Dr. (Mrs.) A. S. Bellad gave the presidential remarks. Dr. L. T. Nayak, Co-Ordonator IQAC proposed the vote of thanks to conclude the two day international webinar. The whole two day international webinar on IWRICS-2020 was narrated by Dr. (Mrs.) S. P. Masti, Assistant Professor, Department of Chemistry, Karnatak Science College, Dharwad with her fabulous anchoring.

3. ONE DAY INTERNATIONAL WEBINAR ON RECENT TRENDS IN PHYSICS BROCHER:

| | | |
|---|--|--|
|  <p>Karnatak University's Constituent College</p>  <p>KARNATAK SCIENCE COLLEGE DHARWAD, KARNATAK</p> | <p>CHIEF PATRON</p>  <p>Prof. K.B. Gudasi Hon'ble Vice-chancellor Karnatak University Dharwad, Karnataka</p> | <p>SESSION II: 11.00AM -12.00PM</p> <p>SPEAKER -II</p> <p>Dr. M. N. Kalasad Principal Karnatak Science College Dharwad, Karnataka</p> |
| <p>One day International Webinar on RECENT TRENDS IN PHYSICS 28th Novemeber 2020</p> | <p>PATRON</p> <p>Dr. Hanumanthappa K.T. Registrar Karnatak University Dharwad, Karnataka</p>  | <p>TOPIC: "SOLAR ENERGY CONVERSION FOR HYDROGEN PRODUCTION"</p> |
| <p>Organized By IQAC & DEPARTMENT OF PHYSICS</p> | <p>PRESIDENT</p>  <p>Dr. A.S. Bellad Principal Karnatak Science College Dharwad, Karnataka</p> | <p>SESSION III: 2.30PM -3.30PM</p> <p>SPEAKER -III</p> <p>Dr. Arun Nissimagoudar Research Scientist Center for Super functional Materials School of Natural Science, Ulsan National Institute of Science and Technology, UNIST-gil 50, Ulsan 44919, South Korea</p>  |
|  | <p>SESSION I: 10.00AM-11.00AM</p> <p>SPEAKER -I</p> <p>Dr. C.S.Gopinath Chief Scientist Chair, Catalysis and Inorganic chemistry division Office: Room No 246, First Floor, Main Building National Chemical Laboratory Dr. Homi Bhabha Road Pune 411008, India</p>  | <p>TOPIC: "COMPUTATIONAL APPROACHES TO ENERGY MATERIALS: APPLICATION TOWARDS THERMOELECTRICS AND CATALYSIS"</p> |

PHOTOGRAPH:



2019-20

IPR Cell



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD
NAAC Accredited



Phone No: 0836-2215410 & 2215400 Fax: 0836-2744334
Email: principal.kscd@gmail.com Web: www.ksed.ac.in

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COMPOSITION

2019-20



| SL No | Name of the faculty | Designation |
|-------|---|-------------|
| 1 | Dr. (Smt.) D. M. Singh Associate Professor Dept. of Botany | Chairman |
| 2 | Dr. (Smt.) V B Saviramath Associate Professor Dept. of Geography | Member |
| 3 | Dr. (Smt.) Sarswati Masti Assistant Professor, Dept. of chemistry | Member |
| 4 | Smt Nirupama J.M Assistant Professor Dept. of physics | Member |
| 5 | Dr. S. G. Chebbi Teaching Assistant Dept. of Zoology | Member |
| 6 | Mr. Darshan K. Student Representative | Member |




Principal
Karnatak Science College
Dharwad

1. TWO DAY WORKSHOP: COMMUNICATION AND INTERVIEW SKILLS
29-02-2019 & 01-03-2019

2


Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF BCA & B.Sc (CS)


INVITATION

Two days workshops on
"COMMUNICATION & INTERVIEW SKILLS"

Chief Guest
Dr P.M.Bhaskar
Vice Chancellor
Karnatak University,Dharwad

Special Invities
Shri. S.M.Deshpande
Shri. Ravikumar Malger
Syndicate Members KUD

Resource Person
Mr.Praveen Kumar M

President:
Dr.C.F.Mulimani
Principal
Karnatak Science College
Dharwad

| | |
|--|--|
| <u>IQAC Coordinator</u> Dr L.T.Nayak | <u>BCA Coordinator</u> Smt.Lalita Naik |
|--|--|

←—————→
Date: 29th Feb & 1st March 2020

Time: 10:00 am **Venue: BCA Auditorium**

All are cordially invited

STUDENTS ATTENDANCE

| KARNATAK SCIENCE COLLEGE, DHARWAD | | | |
|--|----------|---------------------------|--|
| BCA & B.Sc(CS) COURSES | | | |
| B.Sc.(CS) V & VI SEMESTER FOR THE YEAR 2019-20 | | | |
| WORKSHOP ATTENDANCE | | | |
| Sl. | Reg. No. | Candidate Name | |
| 1 | 17M10001 | Aasia Doddamani | |
| 2 | 17M10002 | Aishwarya Pandit | |
| 3 | 17M10003 | Aishwarya Jogin | |
| 4 | 17M10004 | Akash Karigar | |
| 5 | 17M10005 | Amruta Mishra | |
| 6 | 17M10006 | Aqsabanu Shaikh | |
| 7 | 17M10007 | Beerappa Hegade | |
| 8 | 17M10008 | Bibi Fatima Shaikh | |
| 9 | 17M10009 | Chandana H Malagi | |
| 10 | 17M10010 | Divya D Achalkar | |
| 11 | 17M10011 | Farjan Nadaf | |
| 12 | 17M10012 | Kirti R Barker | |
| 13 | 17M10013 | Lavanya Ingalagi | |
| 14 | 17M10014 | Madhu Dhangl | |
| 15 | 17M10015 | Madhushree Dambaralli | |
| 16 | 17M10016 | Mahesh Gubbali | |
| 17 | 17M10017 | Manjunath S Guttannavar | |
| 18 | 17M10018 | Nagalinga Channadasar | |
| 19 | 17M10019 | Nagaraj Chabbi | |
| 20 | 17M10020 | Nagaratna M Chakrasali | |
| 21 | 17M10021 | Nagaratna Hiremath | |
| 22 | 17M10022 | Nidhi Mokashi | |
| 23 | 17M10023 | Nikhita Gadagin | |
| 24 | 17M10024 | Pooja D Suryavanshi | |
| 25 | 17M10025 | Pooja Koshti | |
| 26 | 17M10026 | Pooja Guttinagoudar | |
| 27 | 17M10027 | Priyanka R Padanur | |
| 28 | 17M10028 | Purushottam Pattanashetty | |
| 29 | 17M10029 | Saba Kousaer Sayed | |
| 30 | 17M10031 | Sarswati Yammi | |
| 31 | 17M10032 | Shiddhamma N Badagi | |
| 32 | 17M10033 | Shilpa Dharvadkar | |
| 33 | 17M10034 | Shiva Savmshi | |
| 34 | 17M10036 | Shivakumar A Savadatti | |
| 35 | 17M10037 | Shweta Badiger | |
| 36 | 17M10038 | Shweta Nandihalli | |
| 37 | 17M10039 | Shweta Pattar | |
| 38 | 17M10040 | Siddalingesh R Jigajinni | |
| 39 | 17M10041 | Soujanya Kulkarni | |
| 40 | 17M10042 | Soumya Belgaumkar | |
| 41 | 17M10043 | Sudha Balappanavar | |
| 42 | 17M10044 | Trupti Rolli | |
| 43 | 17M10045 | Vanishree Kulkarni | |
| 44 | 17M10047 | Vinayak Atagali | |
| 45 | 17M10048 | Vinayaka S | |
| 46 | 16M10039 | Sudha N. Kurishanavar | |

KARNATAK SCIENCE COLLEGE, DHARWAD
BCA & B.Sc(CS) COURSES
BCA V & VI SEMESTER FOR THE YEAR 2019-20

Session 2019
Career Guidance & C
Admission

| Roll No | Candidate Name | |
|----------|----------------------------|--|
| 17U10002 | Akshata Rajannavar | |
| 17U10003 | Arusha Patilshetty | |
| 17U10004 | Asha Gudisagar | |
| 17U10005 | Ashwini Garagi | |
| 17U10006 | Baby Lamani | |
| 17U10007 | Bhagyashree M. Korishettar | |
| 17U10008 | Bindiya Kalal | |
| 17U10009 | Chandrakala Sutar | |
| 17U10010 | Chindambar Shastri | |
| 17U10011 | Gayatri Sindagi | |
| 17U10012 | Gulabi Banoshi | |
| 17U10013 | Harish Neelappanavar | |
| 17U10014 | Indira Balerao | |
| 17U10015 | Jatti Abhishek | |
| 17U10016 | Jyoti Byagi | |
| 17U10017 | Kaveri Gali | |
| 17U10018 | Kavya Hiremath | |
| 17U10019 | Kiran Tamkannavar | |
| 17U10020 | Kruthi Jamadandi | |
| 17U10021 | Lata Holasur | |
| 17U10022 | Laxmi Patil | |
| 17U10024 | Maitra Balkai | |
| 17U10025 | Manohar Patil | |
| 17U10026 | Naveen Alur | |
| 17U10027 | Neha Yashwant | |
| 17U10028 | Pallavi Jarnadale | |
| 17U10029 | Pallavi Solapuri | |
| 17U10030 | Parvati Navalgund | |
| 17U10031 | Pooja Sankangowdar | |
| 17U10032 | Poorvima Tongali | |
| 17U10033 | Prajati Khodnapur | |
| 17U10034 | Prajwal Hasarambi | |
| 17U10035 | Prajwal Paravati | |
| 17U10036 | Prajwal Utturi | |
| 17U10040 | Rakesh Gali | |
| 17U10041 | Sadiq Olekar | |
| 17U10042 | Sangeeta Kambhi | |
| 17U10043 | Shahabuj Mulla | |
| 17U10044 | Shilpa G Patil | |
| 17U10045 | Shyam M E | |
| 17U10046 | Sindhu Bagevadi | |
| 17U10047 | Soma Ghitage | |
| 17U10049 | Suman Audi | |
| 17U10050 | Surayya Kassar | |
| 17U10051 | Sushma Mundagad | |
| 17U10052 | Sushma Manigetti | |
| 17U10053 | Susmita Koparde | |
| 17U10054 | Swati Virapnyanavarmath | |
| 17U10055 | Vinayak Guralingaramanavar | |
| 17U10056 | Vinayak Chandawarkar | |
| 17U10057 | Vishwa Bhajantri | |

PHOTOGRAPHS



Inauguration of Two days workshop on Communication and Interview Skills.



Students performing invocation song on the occasion of Two days workshop



Student created an ornament out of Waste Resource Person Mr. Praveen explaining interview skill and how to face interview.



Participants received the certificates and took photos with the resource person.

REPORT

The BCA & B.Sc. (CS) department conducted various co-curricular activities and career-oriented programs for students. Among these initiatives, a two-day workshop was organized on 29th February 2020 and 1st March 2020 for BCA & B.Sc. (CS) final year students for the academic year 2019-20.

The workshop on "Communication and Interview Skills" was inaugurated on 29th February 2020 by Dr. T.M. Bhaskar, Vice-Chancellor of Karnatak University Dharwad, as the chief guest. Special invitees Shri. S.M. Deshpande and Shri. Ravikumar Maliger, along with Resource person Mr. Praveenkumar M from Mysore, was present. Dr. C.F. Mulimani, Principal of Karnatak Science College, Dharwad, presided over the function as the President of the event. Smt. Kalpana C Dalwai, Coordinator of BCA & B.Sc. (CS), also graced the occasion with her presence.

The inauguration of the two-day workshop on Communication and Interview Skills commenced with Dr. T.M. Bhaskar, the esteemed Chief Guest, addressing the audience. Dr. Bhaskar elaborated on the nuances of communication across different languages and highlighted the communication challenges faced by students in the IT field. Additionally, he provided insights into the rich history of both KCD and KUD.

Special invitee Shri. Ravikumar Maliger, a Syndicate member of Karnatak University Dharwad, shared valuable insights into communication skills in other countries. He emphasized the importance of interview skills in career development and encouraged students to actively participate in NCC and NSS activities during their college life. He urged students to utilize the workshop to enhance their mental abilities and creativity.

Dr. C.F. Mulimani, in his presidential remarks, expressed gratitude for the presence of the dignitaries. Coordinator Smt. Kalpana C Dalwai extended a warm welcome to all the guests, while Dr. Nagaraj and Shri. Rajashekhar Barker introduced the esteemed guests. Student Secretary Mr. Anandgouda Patil delivered the vote of thanks.

The event was graced by the presence of Smt. Lalitha R Naik, Smt. Ambika R, and other teaching and non-teaching staff members. Smt. Anupama S and Smt. Rekha adeptly anchored the program.

On Day 1, (29th February 2020), the morning session included the inauguration ceremony, followed by an afternoon session focused on creativity activities. All students actively participated in these activities, creating various ornaments and cosmetics using newspapers. They also composed their own lyrical songs and tunes, resulting in an enjoyable and enriching experience for all participants.

On Day 2, (1st March 2020), the morning session commenced with the grouping of students into different batches for physical activities, fostering active participation among the students. In the afternoon session, Mr. Praveen provided valuable insights into interview skills, guiding students on how to effectively face interviews and highlighting the do's and don'ts during interviews.

At the conclusion of the workshop, a significant number of students provided positive feedback about the workshop, underscoring its value and impact. Coordinator Smt. Kalpana C Dalwai then distributed certificates to all the students, officially validating their participation in the workshop.

ONE DAY CARRIER GUIDENCE PROGRAMME

28-08-2019

INVITATION

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

INAUGURATION OF SCIENCE ASSOCIATION ACTIVITIES, 2019-20

- Chief Guest -
Shri Ravi Kulkarni
Director
93.5 Red FM Radio Station, Hubballi

President
Dr. C. F. Mulimani
Principal
Karnatak Science College
Dharwad

Venue : BCA Auditorium Date : 28-08-2019 Time : 11.30

Dr. L. T. Nayak
Chairman
Science Association

Dr. C. F. Mulimani
Principal
Karnatak Science College, Dharwad

Student Secretaries

1. Kum. Vishakha V. Pawar 2. Kum. Mohammad Khaleel M.

Study Circle Chairmans

Dr. C. G. Patti - Botany Prof. (Smt.) Lalita R. Naik - BCA
Dr. S. M. Tuwar- Chemistry Dr. Ramdas- Criminology
Dr. G. N. Kummur- Geography Dr. J. T. Gudagur - Geology
Dr. (Smt.) Jyoti Doddamani- Physics Dr. (Smt.) A. S. Bellad - Zoology

All are cordially invited

PHOTOGRAPHS



Mr. Ravi Kulkarni, Director of 93.5 Red FM Radio station in Hubballi, inaugurated the programs.




Chief guest, other dignitaries, and students on the Dias performing Nadageete.



Staff and students off the dais performing Nadageete.


**ONE DAY WORKSHOP ON RESEARCH FACILITY TRAINING PROGRAMME
(RFTP) FOR RESEARCH SCHOLARS**

INVITATION:




Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
ONE DAY WORKSHOP ON
"RESEARCH FACILITY TRAINING PROGRAMME (RFTP)
FOR RESEARCH SCHOLARS"

Under SERB Scientific Social Responsibility (SSR) Activity



**Science and Engineering
Research Board (SERB)**



Chief Guest
Prof. R. F. Bhajantri
Professor of Physics & Former PI, DST SERB Project
K. U. Dharwad

Resource Person
Mr. Paul Royan
Chief Engineer, DAK System Inc.,
Mumbai, India

President
Dr. C. F. Mulimani
Principal, Karnatak Science College, Dharwad

Organized By
Dr. Saraswati P. Masti
Principal Investigator
SERB Major Research Project
Department of Chemistry
Karnatak Science College, Dharwad

Date: 21.11.2019

Time: 10:30 am

Venue
C-5 Hall and DST-SERB Research Laboratory,
Department of Chemistry, Karnatak Science College, Dharwad

All Research Scholars and Faculty Members are cordially invited

REPORT:

One day workshop on “Research Facility Training Programme for Research Scholars” under SERB Scientific Social Responsibility (SSR) activity has been organised by Dr. Saraswati Masti, Principal investigator of SERB major research project (No. EMEQ-213/2014), at Department of Chemistry, Karnatak Science College, Dharwad on 21st November 2019.

The Science and Engineering Research Board (SERB) has sanctioned major research project entitled “Physico-chemical and mechanical properties of ternary blend films for food packaging applications” to Dr. Saraswati Masti. Total cost of the project is Rs. 41,92,144/-. Under non-recurring grant Dr. Saraswati Masti procured major equipment, Universal Testing Machine (UTM) to investigate mechanical properties of polymeric materials.

One day workshop is organised to voluntarily contribute the knowledge and research facilities developed by Dr. Saraswati Masti with financial support of SERB, to benefit the researchers belonging to Universities and neighbouring institutions which are less endowed in scientific resources as part of social responsibility. Research scholars, working in the field of polymer science and faculty members of chemistry are actively participated in the one day workshop.

Registration to the workshop started at 10.00 am and research scholars registered their names in the registration counter and collected writing pad and a pen. Inauguration function began at 11.00 am. Dr. Saraswati Masti, Organizer of one day workshop delivered welcome and formal speech. She welcomed Chief Guest Prof. R. F. Bajantri and President, Dr. C. F. Mulimani by offering bouquet as a token of love and respect. Chief Guest of inaugural function Prof. R. F. Bajantri, Department of Physics, K. U. Dharwad formally inaugurated the workshop by lightening the lamp and addressed the gathering. He opioned that sharing of developed instrumental facility and resources with researchers of neighbouring Universities and institutions would be an effective way to analyse the need of the scientific community and also helps to connect between science and society. President, Dr. C. F. Mulimani in his presidential remarks opioned that in the present scenario exchanging of research ideas and instrumental facilities with young researchers of surrounding institutions would leads to collaborative research and enhance the overall scientific research capability of the nation. Mr. shivayogi Narasagoudr, Project Assistant, SERB project proposed vote of thanks and Veena Hegde compiled the programme.

Prof. R. F. Bhajantri, Professor, Department of Physics, Karnatak University, Dharwad delivered Keynote address on "Multifunctional Properties of Polymeric Materials". Prof. Bhajantri in his talk elaborately discussed optical, electrical thermal, mechanical and microstructural properties of polymeric materials and interpreted these properties with applications of polymeric materials in various fields. He also highlighted the importance of polymeric material and polymer blending in present scenario. Research scholars actively interacted with Prof. Bhajantri and clarified their queries and doubts, which they experienced during their research and research scholars appreciated and thanked Prof. Bhajantri for giving informative talk.

Lunch was arranged to the participants in the Physical Chemistry laboratory, Department of Chemistry, Karnatak Science College, Dharwad. Participants enjoyed the lunch and reassembled in the Dr. Saraswati Masti, Instrumental laboratory for technical session. Universal Testing Machine (UTM) Demonstration was made by Mr. Shivayogi Narasagoudr, Project Assistant, SERB major research project. Participants get exposed to UTM handling, extraction of data and various technical aspects of UTM during technical session.

Soon after the tea break valedictory function was organised. Dr. Saraswati Masti welcomed the gathering and summarized the workshop. Participants in their feedback expressed their gratitude to Dr. Saraswati P. Masti for organising such a beneficial workshop, which enriched their knowledge and provided an opportunity to research scholars to expose to research facilities available in SERB grantee's laboratory to access during their research period and also promoted their interest and encouragement in the socio-scientific responsibility activities.



Karnatak University's



Karnatak Science College, Dharwad

Department of Chemistry

Inauguration of Madam Curie Chemistry Study Circle

Activities 2019-20
and

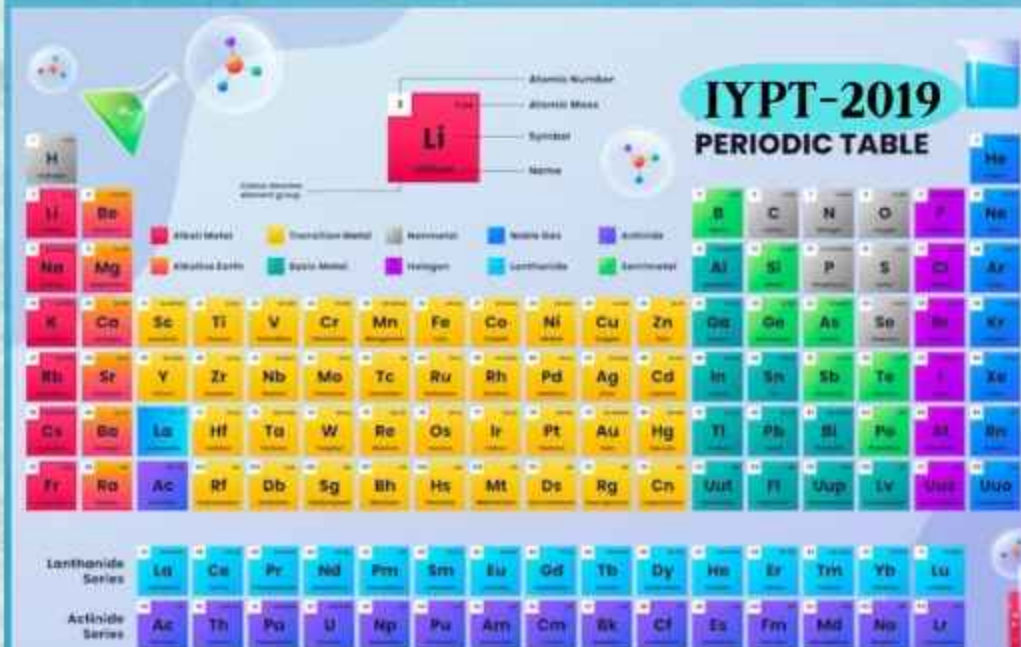
Celebration of International Year of the Periodic Table
(IYPT-2019)

DATE : 28-08-2019

TIME : 2.30 PM

VENUE : BCA Auditorium

YOU ARE CORDIALLY INVITED



8. One day workshop on “Embedded system development using 8051 Controller”

8

PICTURE TAKEN DURING THE WORKSHOP



Welcoming chief guest **Prof S R Inamadar, Coordinator Depf of Electronics,KUD,**
Dr.C.F.Mulimani.principal karnatak science collage dharwad andDr.G.H. Mallimath head
of department(physics)



Visit to electronics lab



Student feedback about workshop



Experience shared by student about work shop



Practical session of the workshop



Theory session of workshop

Dept. of Physics/Electronics
Karnatak Science College Dharwad
Dept. of Electronics
K.U.D

Jointly organized

One-Day Workshop on
"Embedded system development using 8051 controller"
Inaugural function

Chief Guest: Prof S R Inamadar.

Coordinator Depf of Electronics, KUD

Guest of Honor: Dr C.F.Muliman.

Principal Karnatak Science College

President: Dr. G H Mallimath.

Karnatak Science College Dharwad.

Resource Person: Faculty of Dept. of Electronics KUD.

Faculty of Dept. of Electronics KCD.

All are cordially invited

Date:01-02-2020

Time:09.30am-05.00pm

Venue: Electronics Laboratory

Coodinator

Einstein study circle Department of Physics/Electronics, Karnatak Science College in association with P.G. Department Of Electronics, Karnatak University Dharwad had conducted one day workshop on "Embedded System Development using 8051 Microcontroller" on 1/2/2020 in Dept Physics/Electronics Karnatak Science College Dharwad.

Objective of the workshop is

1. Providing knowledge about basic functions and applications of Embedded systems.
2. Designing, Testing and Debugging of Embedded Projects.

An embedded system is an electronic or computer system which is designed to control, access the data in electronics based systems. Embedded system comprises

a single chip microcontroller such as ARM, Cortex, FPGAs, microprocessors and DSPs. In the present time the usage of embedded system is widespread. Embedded systems have a vast variety of application domains, the some of the applications are

- Embedded systems are widespread in consumer, industrial, commercial and military applications.
- Telecommunications systems employ numerous embedded systems from telephone switches for the network to mobile phones at the end-user.
- Transportation systems from flight to automobiles increasingly use embedded systems. New airplanes contain advanced avionics such as inertial guidance systems and GPS receivers that also have considerable safety requirements. Various electric motors — brushless DC motors, induction motors and DC motors — use electric/electronic motor controllers.
- Automobiles, electric vehicles, and hybrid vehicles increasingly use embedded systems to maximize efficiency and reduce pollution. Other automotive safety systems include anti-lock braking system (ABS), Electronic Stability Control (ESC/ESP), traction control (TCS) and automatic four-wheel drive.

The tools and hardware used in the workshop to program 8051 and to interface I/O ports.

Tools used:

1. Kiel.

- supports over 3200 devices
- Software building blocks: CMSIS, middleware components.
- Out of the box support for many development boards.
- Connects to third-party debug adapters.
- ULINK family of debug and trace adapters.

This is the main software which is used to write a program and compilation, which results hex file.

2. SST Flash:

This is software which is used to load the code in microcontroller, which has been generated by Kiel.

Hardware Used:

1. 89V51RD
2. 8051 Target Board.
3. LED Breakup Board
4. Stepper Motor
5. RS-232.
6. L293 Driver.

Topics covered in the workshop are:**1. Introduction to 8051 and embedded system.**

The 8051 is a 8-bit microcontroller planned by Intel. It was advanced for math and single Boolean operations. Its family MCS-51 incorporates 8031, 8051 and 8751. The 8051 microcontroller comprises of CPU, two sorts of memory segments, data and output ports, uncommon capacity registers and control logic required for different Peripheral functions. These components communicates with 8-bit information BUS and Bus is Buffered to the outside through an I/O port when memory is fancied.

2. I/O ports interfacing and programming.

8051 microcontrollers have 4 I/O ports each of 8-bit, which can be configured as input or output. Hence, total 32 input/output pins allow the microcontroller to be connected with the peripheral devices.

Pin configuration, i.e. the pin can be configured as 1 for input and 0 for output as per the logic state.

Input/Output (I/O) pin – All the circuits within the microcontroller must be connected to one of its pins except P0 port because it does not have pull-up resistors built-in.

Input pin – Logic 1 is applied to a bit of the P register. The output FE transistor is turned off and the other pin remains connected to the power supply voltage over a pull-up resistor of high resistance.

3. Introduction to 8051 timer.

There are two 16-bit timers and counters in [8051 microcontroller](#): timer 0 and timer 1. Both timers consist of 16-bit register in which the lower byte is stored in TL and the higher byte is stored in TH. Timer can be used as a counter as well as for timing operation that depends on the source of clock pulses to counter.

Counters and Timers in 8051 microcontroller contain two special function registers: TMOD (Timer Mode Register) and TCON (Timer Control Register), which are used for activating and configuring [timers and counters](#).

4. Application of 8051 timer.

The modules interfaced in the workshop session are:

- LED breakup board Interfacing has done with Normal Delay and delay Generated using Timer.
- Stepper Motor Interfacing: The stepper motor is interfaced with 8051 using program, which is used to rotate the motor in clockwise and anticlockwise direction.

Prof.S.RInamdar co-ordinator,P.G Dept of electronics karnatak university dharwad inaugurated the workshop. The principal Dr C.F Mulimani graud the occasion. Dr. Malimath.HOD ,dept of physics KCD introduced the guest. Dr. Blaise Lobo addresses the student regarding technological importance and industrial application of microcontroller. Prof.S.RInamdar motivated the students about the research and industrial applications of embedded systems.

The inaugural function was followed by technical session Shri Ravi Lingangoudar and team briefed about the embedded system and working of 8051 microcontroller and gave hands on training on interfacing of microcontroller 8051 to students of B.Sc VI semester (ele).

The workshop was concluded with valedictory function where the students gave feedback and expressed their view regarding workshop. The certificate for the students was distributed at the end of the event.

2018-19

IPR Cell



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD
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COMPOSITION

2018-2019

| Sl. No | Name of the faculty | Designation |
|--------|--|-------------|
| 1 | Dr. (Smt.) D. M. Singh Associate Professor, Dept. of Botany | Chairman |
| 2 | Dr. (Smt.) V. B. Saviramath Associate Professor, Dept. of Geography | Member |
| 3 | Dr. (Smt.) Sarswati Masti Assistant Professor, Dept. of chemistry | Member |
| 4 | Smt. Nirupama J.M Assistant Professor, Dept. of physics | Member |
| 5 | Dr. S. G. Chebbi Teaching Assistant, Dept. of Zoology | Member |
| 6 | Kum. Nivedita Javali Student Representative | Member |




Principal
Karnatak Science College
Dharwad

1. **ONE DAY WORKSHOP:** on UG Chemistry Practical techniques, performance, evaluation and guidelines

22-06-2018

INVITATION



Karnatak University's



Karnatak Science College, Dharwad

ONE DAY WORKSHOP
on
UG Chemistry
Practical Techniques, Performance Evaluation
& Guidelines



Chief Guest
Prof. Pramod B. Gai
Honorable Vice-Chancellor
Karnatak University, Dharwad
President
Dr. C. F. Mulimani
Principal

Venue: BCA Auditorium Date: 22-06-2018 Time: 10.00 AM - 5.30 PM

YOU ARE CORDIALLY INVITED

PHOTOGRAPHS



Prof. Pramod B. Gai, Vice Chancellor, Karnatak University, Dharwad inaugurating one day Workshop on *UG Chemistry Practical techniques performance evaluation and guidelines*



REPORT: ONE DAY WORK-SHOP ON "UG CHEMISTRY PRACTICAL TECHNIQUES, PERFORMANCE EVALUATION & GUIDELINES"

Karnatak Science College Dharwad, organized one day workshop on "UG Chemistry Practical Techniques, Performance Evaluation & Guidelines" in collaboration with Dept. of Chemistry, Karnatak Science College Dharwad and Chem Forum on its centenary celebrations on 22nd June 2018 at BCA Auditorium. More than 79 Teachers have been registered from all science colleges affiliated Karnatak University Dharwad and about 150 people including our college students and staff attended all the scientific sessions. The programme started with the prayer song by B.Sc. III Semester student of our college, Ms. Shraddha Murshilli. The Honourable Vice-Chancellor, Karnatak University, Dharwad Prof. Pramod B. Gai inaugurated the activities by lighting the lamp and released the book entitled "Comprehensive B.Sc. Chemistry Laboratory Manual" and also launched newly designed web-site of Karnatak Science College, Dharwad. He appreciated the Cham- Forum- a vibrant body of chemistry teachers for their concern and care towards the zeal of updating student community. He proudly declared that "Comprehensive B.Sc. Chemistry Laboratory Manual" book published by Chem Forum would be a hand book for B.Sc. Chemistry and allied course in Chemistry experiments, which is financially supported (Printing expenses of 150 copies of said Book containing 300 pages) by Karnatak Science College as its memory of Centenary celebrations. The said books are donated to all the colleges 02 each for the sweet memory of centenary celebration of KCD: 2017-18 with the motto. "Quality Education For All". Our Principal Dr. C.F Mulimani presided over the function, earlier to this Dr. S. M. Tuwar, the President of Chem-Forum-2017-18 welcomed the gathering and also gave the formal speech. Vice President of Chem-Forum-2018, Dr. H. Y. Meharwade gave brief account of the book. Dr. K. S. Katagi introduced the Chief Guest and Dr. (Smt.) V. A. Aminabhavi, the Head Dept. of Chemistry proposed the vote of thanks. Dr. (Smt) M. S. Salunke was master of ceremony. In three scientific sessions. The Chairpersons of Inorganic, Physical and Organic sections Dr Smt. Manjali S. Salunke, Dr. S.M. Tuwar of Karnatak Science College and Dr. Venkatesh Mutalik of JSS College, Dharwad respectively discussed the procedures in brief along with preparation of various solutions required for the experiments, instructions regarding cleaning of glass apparatus, and maintaining the laboratory and motivated young budding teachers to follow the procedures and conduct practicals. We place on record with gratitude the help and unconditional support rendered by all teachers, non-teaching staff, teaching assistants, and research scholars.

ONE DAY SEMINAR: RECENT ADVANCES IN SCIENCE AND TECHNOLOGY

15-09-2018

INVITATION:

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

**INAUGURATION OF SCIENCE ASSOCIATION ACTIVITIES, 2018-19
AND
ONE DAY SEMINAR ON RECENT ADVANCES IN SCIENCE AND TECHNOLOGY**

Chief Guest
Dr. Srinath Thakur
Principal
SDM College of Dental Sciences & Hospital, Sattur, Dharwad

Presided By
Dr. C. F. Mulimani
Principal
Karnatak Science College, Dharwad

Speakers
Prof. S. M. Shivaprasad
Director
Karnataka State Higher Education Academy, Dharwad

Dr. Ramesh Bhat
Professor and Head, Department of Biotechnology,
University of Agricultural Sciences, Dharwad

Gracious Presence
Dr. Ashok A. Hooli
Former Principal
Karnatak Science College, Dharwad

Venue : BCA Auditorium
Date : 15-09-2018 Time : 10.30 am

Dr. L. T. Nayak Chairman Science Association
Dr. C. F. Mulimani Principal Karnatak Science College, Dharwad

: Student Secretaries :
Kum. Shweta Janagi Mr. Ravikumar Gadadi

All are Cordially Invited

PHOTOGRAPH



Dr. C.F.Mulimani, Dr.Ashok Hooli, Dr.Ramesh Bhat., Dr. Srinath Thakur, Dr.L.T.Nayak inaugurating the activities of Science Association and One day seminar by watering sapling



Dr. Ashok A. Hooli, Principal (Retired), Karnatak Science College, Dharwad, speaking on advanced technology.



Staff and students of the college are involved in singing national anthems soon after the seminar.



Dr.Ramesh Bhat, Professor and Head, Dept. of Biotechnology, University of Agricultural Sciences, Dharwad spoke on Principles and application of Biotechnology and its importance in present situation.

CERTIFICATE



REPORT

The science Association has organized One day seminar on 'Recent Advances in Science and Technology' on 15-09-2018. Dr. Srinath Thakur, Principal, SDM College of Dental Sciences and Hospital, Dharwad inaugurated the function. In his inaugural address he highlighted upon the development in science and technology and contribution of Indian scientists particularly in medical field. His words really enlightened students.

The seminar was organized for B.Sc. IV, VI & B.Sc (Cs) students, in which more than 200 students participated. Two technical sessions were arranged. Dr.Ramesh Bhat, Professor and

Head, Dept. Of Biotechnology, UAS, Dharwad was the speaker for the first technical session. He spoke on Principles and application of Biotechnology and its importance in present situation. This particular session was chaired By Dr. S.M.Tuwar and Dr.C.G.Patil was the rapportier.

Soon after the lunch in the second technical session Prof. S.M.Shivaprasad, Director, Karnatak State Higher Education Academy, Dharwad was the resource person who highlighted on Alice in Nano world. Students interacted with the speaker and cleared their doubts. There was an overwhelming response from the students during the interaction session. Dr.G.H.Mallimath and Dr. K. S. Katagi were the chairman and rapportier respectively. Dr.C.F.Mulimani, Principal, Karnatak Science College presided over the function. Dr.L.T.Nayak, Chairman Science Association welcomed the dignitaries and audience. Dr.K.Kotresh introduced the chief guest and student secretary Miss. Shweta Janagi proposed the vote of thanks. Chair persons of all the study circles, teaching and non- teaching staff of the college attended the function.