



**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

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

- 1) Workshop conducted by the Department of Botany A one day workshop entitled “NEP for B.Sc. Botany 3rd and 4th Semester Syllabus” was conducted in the UG & PG Department of Botany, Karnatak Science College, Dharwad (KSCD) on 25th June 2022. Prof. T. C. Taranath, the Director of the College Development Council (CDC) of Karnatak University, Dharwad (KUD) and a Professor of Botany arrived as the Chief Guest of the Inaugural function of the Workshop and delivered his lecture. Dr. S. C. Chougala, the Principal of KSCD delivered the Presidential address. Dr. (Smt.) Doris M Singh, HOD of Botany, KSCD welcomed the gathering and introduced the Chief Guest to the audience comprising faculty members of Botany departments of different colleges affiliated to the KUD.

Late Dr. C. G. Patil, Associate Professor of Botany, KSCD and IQAC Deputy Coordinator of KSCD speaking on the occasion of the one day workshop entitled “NEP for B.Sc. Botany 3rd and 4th Semester Syllabus” conducted in the UG & PG Department of Botany, Karnatak Science College, Dharwad (KSCD) on 25th June 2022. In addition to Late Dr. C. G. Patil, Dr. K.P. Kolkar, Dr. K. Kotresha and Dr. (Smt.) Doris M Singh, faculty members of the Department of Botany KSCD, Dr. N. S. Harihar, Dr. Veena Rokhade, Mr. Mallikarjun C, Ms. Komal C. Mr. Akshay Patil, Dr. (Smt.) S. G. Ligade, Ms. Shubha K and Smt. Sudha S, the Teaching Assistants, Guest Faculty and Research Scholars of the Department of Botany, KSCD involved in the successful organization of the one day workshop. A large number of Botany teachers from colleges affiliated to KUD attended the program.

- 2) Workshop conducted by the Department of Botany A one day workshop entitled “Implementation of National Education Policy (NEP) in Botany” was organized by the Department of Botany, Karnatak Science College, Dharwad (KSCD) on 29th October 2021. The program was held in the Z1 hall of the department of Zoology, KSCD. Prof. H. N. Murthy, Professor and Chairman, PG Department of Studies in Botany, Karnatak University, Dharwad (KUD) was the Chief Guest of the inaugural program of the workshop. Dr. (Smt.) A. S. Bellad, the Principal of KSCD presided over the inaugural function of the Workshop held at 11 am (on 29th October 2021).
- 3) Save Soil Under Value-Based Activity for NEP Students (23-06-2022)

The Student Welfare Office (SWO) in association with Internal Quality Assessment Cell (IQAC), in association with the ISHA foundation, organized the special program on “Save Soil” under Value-Based Activity for NEP Students on 23-06-2022 at 12 PM in BCA hall, Karnatak Science College, Dharwad. The resource person Prof. G. S. Dasog, Ex-Dean (Agri), Soil Scientist, University of Agricultural Science, Dharwad, and other dignitaries were present. Dr. J. L. Kalyan, incharge Principal, presided over the program.

Prof. G. S. Dasog addressed the gathering and enlightened the faculty and students on the grooving topic of “Save Soil”. He began with a saying; a bad bush is better than an open place, discourage the use of plastic, and grow plants. Also, he talked about the ‘Save Soil’ movement which was initiated by Sadguru, and how he took a journey of 30,000 km across 24 nations on a lone motorcycle to create awareness of the issue. Prof. G. S. Dasog stressed the need to create more awareness programs on the importance of the campaign ‘Save Soil.’ He appealed to the students to discourage the use of plastics, which are posing a serious threat to the ecology. On this occasion, a large number of students and faculty members from different departments of Karnatak Science College, Dharwad took an oath to save soil. Dr. Jagaadesh L Kalyan, in charge Principal of Karnatak Science College, Dharwad delivered the vote of thanks.

Prof. G. S. Dasog empowered the students about the importance of saving soil from further degradation. Stating that the country's soil resource was declining rapidly, he said that the United Nations said that the soil must have at least three percent organic matter. However, the soil in the country has only 0.5 percent organic matter. “This not only affects agriculture production but also depletes the nutrients in the food we eat and cause impacts human health”, he added and expressed concern over the possible risk of looming food security threat in the country.

- 4) EXTENSION PROGRAM Report on the Extension Program organized by the Staff members of the Department of Zoology, Karnatak Science College, Dharwad: The faculty members of the Department of Zoology, Karnatak Science College, Dharwad (KScCD) organized a “One day Extension and Skill Development leading to Self-Employment” programme on 23- 06-2022 at Lokur Village, which comes under Dharwad Taluka jurisdiction. The program was held as an initiative of the Internal Quality Assurance Cell (IQAC) of Karnatak Science College, Dharwad. The program was organized to benefit the government high school students of Lokur. The Chief Guest was Shri. Madan Parakaali and the Special Invitee was Shri. Irappa Narasinghannavar (SDMC deputydirector). Head Master of the School, Shri. S. N. Hadapad was also present.

The resource persons, who delivered lectures and presentations were Dr. Sameer Chebbi from the Department of Industrial Fish and Fisheries of KScCD, as well as Dr. Harsha Neelgund, Dr. Manohar Pattar (from Department of Microbiology, KScCD), and Dr. Neeta Kari from the Department of Zoology, KScCD. Their presentations were aided by suitable demonstrations and other Audio-Video tools.

Dr. S. C. Chougala, Principal of Karnatak Science College, Dharwad presided over the inaugural function. The Convener of the Program was Dr. (Smt.) R. D. Sanakal, the HOD of Zoology, Karnatak Science College, Dharwad. The Organizing Secretaries of the program, Dr. S. S. Mangalawade and Dr. Harsha Neelgund as well as the IQAC coordinator, Dr. L. T. Nayak and IQAC member(Late) Dr.C. G. Patil were the dignitaries who were present during the program.

- 5) "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.


- 6) Chemistry ONLINE workshop: Relook in the curriculum of Chemistry for B.Sc. Sem - I & II: DSC and OEC under National Education Policy (NEP) 2021-22 Conducted on: 4th February 2022. Online workshop on "Relook in the curriculum of Chemistry for B.Sc. Sem -I & II: DSC and OEC under National Education Policy (NEP) 2021-22" was organized by the Department of Chemistry, KSCD (An IQAC initiative). The workshop was conducted on 4th February 2022. Prof. M. Y. Karidurgannavar, Chairman of the PG Department of Chemistry, KUD was the Chief Guest. Dr. S. D. Dhumwad, HOD of Chemistry, KSCD was the Convener.
- 7) Report of IQAC initiative orientation program on "Research Methodology in Mathematics", held on 16-17 March, 2022., organized by P. G. Department of Mathematics, Karnatak Science College, Dharwad. The orientation program on "Research Methodology in Mathematics" was organized by P. G. Department of Mathematics, Karnatak Science College, Dharwad from 16th to 17th March, 2022 for the Post Graduate students of Mathematics. The programme was initiative by IQAC, Karnatak Science, College, Dharwad. The purpose of the program was to expose the students with research and developments in the field of Mathematics. There were more

than 70 students attended the programme. The programme was inaugurated by Dr. S. C. Chougala, Principal, KSCD, Dr. (Smt.) Ashwini Yalnaik, Davangere University, Davangere, and other invitees with coordinator. Eminent speakers such as Dr. (Smt.) Ashwini Yalnaik (DU, Davangere), Dr. Shashikant (JSS, Dharwad), Mr. Kartik Pise (Research Scholar, KUD), Mr. Ashoka K. (Research Scholar, KUD) were delivered the lectures on various research topics in Mathematics such as Graph Theory, Ordinary Differential Equations, Computational Science and Algorithms, Mathematical Analysis, Vector Analysis. There were total 04 lectures each is of two hour. In the valedictory function Dr. S. C. Chougala (Principal, KSCD) was the chief guest and Dr. L. T. Nayak(IQAC Coordinator, KSCD) and Dr. C. G. Patil(IQAC member, KSCD), were Guest of Honor. Organizing Committee: 1. Smt. Ambika R., Coordinator, PG Mathematics - Coordinator 2. Dr. (Smt.) Nafisabanu K., Teaching Assistant - Organizing Secretary 3. Dr. Raju B. J., Teaching Assistant - Member 4. Dr. (Smt.) Pushpa M. N., Teaching Assistant - 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.

- 8) 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.



Principal,
Karnatak Science College
Dharwad.