

BASAVESHWAR SCIENCE COLLEGE, BAGALKOT

DEPARTMENT OF ELECTRONICS

Annual report for the year 2019-20

Annual report has been classified into following subtitles.

- i. Activities organized by the department are mentioned in Department activities
- ii. Participation of students in various academic activities is mentioned in Students achievements.
- iii. Participation of staff in Webinars, Faculty Development Programs and paper presentation of staff in National/International conferences' is mentioned in Staff achievements.

Department activities

- Guest Lecture was organized on "**Project based learning**" by Mr. Sunil T. Shambhatnavar, General Manager, ADVANCED ELECTRONIC SYSTEMS, BANGALORE, on 07-09-2019 for B.Sc Electronics students. Totally 105 students were benefited by the talk.
- BoS meeting was organized to frame the syllabus for certificate course on PCB on 22-08-2019. During the meeting syllabus 50 hrs has been framed and taken approval by Chairman BoS.
- Certificate course on "Printed Circuit Board" has been organized in the month of September and 25 students were benefited by the course.
- On 2nd October 2019 students of our department demonstrated **Seven** experiments in the event "Demonstration of Science Experiments "organized by the college.
- One day workshop was organized on "**Introduction to Optical Fibers and its uses**" for B.Sc. VI semester students in collaboration with Bharat Sanchar

Nigama Limited, Bagalkot. Sri.B.C.Indi Assistant General Manager has conducted the workshop along with team members, Sri.D.I.Pattadkal, Sri.I.M.Patil, Smt.Sujata. Kulkarni, Mr.Santhosh Jadhav, Mr.Prakash Naik , Mr.Dilip Kumar and Mr.Ravikant Kumar.

Following topics were covered during the workshop:

Overview of Transmission systems, Optical Fibre Cable, Fiber construction and Characteristics, Troubleshooting OFC Faults, GPON and FTTH technology, Overview of NGN and Broadband, Mobile Communication (GSM 2g,3g and 4g) technology and Battery and Power Plant.

- Students and Staff visited AIR Station Dharwad and Transmitter at Sattur. on 14th February 2020. Totally 50 students were benefited by this academic visit.
- Students and staff visited Regional Science Center, Dharwad. Totally 50 students were benefited by this academic visit.
- Remedial classes were conducted for B.Sc.I, III & V semester students and also for B.Sc.II , IV & VI semester students. Slow learners were benefited by these classes.
- During lock-down period totally 24 online classes were conducted and 07 videos were provided to students.

Student's achievements

1. Miss Karuna Kulakarni secured second prize in University level Essay competition conducted by Science Association
2. Miss Bhavana R secured Third prize in University level Essay competition conducted by Science Association and secured second prize in paper presentation in one day state level students seminar conducted by Akkamahadevi Women's College, Bagalkot
3. 17 students participated in Covid 19 quiz organized by various colleges.

4. Miss Bhavana R participated in ‘Western Sports Quiz’ organized by Western College of Commerce & Business Management, Mumbai.

Staff achievements

I. Paper presentation by staff:

Dr (Smt) R S Mathad presented a paper in International Conference ICINEC-2019 Organized by, Department of PG studies and Research in Electronics, Kuvempu University, Shankarghatta-577451. Title of the paper is “OTA Amplifiers and Tunable Filters for Vibration Signal Analysis”

II. Totally 42 webinars were attended by the faculty members.

III. Faculty members have completed five Faculty Development Programs

IV. Various responsibilities by our staff in the college.

- i. Dr.R.S.Mathad Chairperson, Science Association
- ii. Dr.P.I.Mandi IQAC Coordinator.
- iii. Mr.B.M.Karidyavannavar Coordinator for Red Cross Cell.



Dr(Mrs).R.S.Mathad

Head

Department of Electronics

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Photographs of various events during 2019-20

1 .Guest Lecture was organized on "Project based learning" Mr.Sunil T. Shambhatnavar, on 07-09-2019



Workshop was organized on “Introduction to Optical Fibers and its uses” for B.Sc.VI semester students on 17-01-2020 by Bharat Sanchar Nigama Limited, Bagalkot .Twenty five students were benefited by the workshop



Inauguration of workshop



Smt.Sujata. Kulkarni demonstrating NGN and Broadband technology



Troubleshooting OFC Faults



Certificate distribution to participants

3 .Academic visit to All India Radio station Dharwad on 14-02-2020



4. Academic visit to Regional Science Centre, Dharwad on 14-02-2020



**5. Paper presentation by Rajeshwari .S. Mathad, in the “ INNOVATIVE TRENDS IN ELECTRONICS AND COMMUNICATION ICINEC-2019
Organized by, Department of PG studies and Research in Electronics, Kuvempu University, Shankarghatta-577451**

