



Kanara College Society's ®

# Dr. A.V. Baliga College of Arts & Science

Kumta – 581343, Dist. Uttara Kannada, Karnataka

## **Best practices successfully implemented by the Institution**

### **Best Practice I**

**Title of the practice: ICT-enabled Teaching and Learning**

**Objectives of the practice:**

- To develop and enhance teaching and learning abilities.
- To improve academic performance of students and teachers by utilizing web-based resources.
- To Outreach and Marketing of information services to attract and cultivate knowledge consumers.
- Acquire information/knowledge in print as well as non-print resources based purely on general needs of the students.
- To improve teaching and learning through the use of web-based applications.
- To improve teamwork efficiency by enhancing efficient communication.
- To assist students to learn more effectively by providing teachers with access to a wide range of new pedagogy.
- ICT allows students to monitor and manage their own learning, think critically and creatively, work collaboratively, engage in ethical decision- making and adopt a global perspective towards issues and ideas.
- To prepare students for the world of tomorrow.

**The Context:**

- The majority of the students are from rural areas. The students had very little opportunity to learn during the COVID period.
- The use of ICT has a positive impact on their learning experience.
- The value of ICT resides in its ability to focus on individuals.
- Minimizes time required for drawing diagrams, tables etc. which is helpful in completing the syllabus within the allotted time.
- To motivate students to get lateral thinking skill.
- For attractive delivery of the information.
- For improvement of presentation standards.
- For making learning interesting and enjoyable.
- To get access with other Institutions and Universities.
- Helps to teach practical skills such as simulation method, video tutorials etc.
- Faster and cheaper communication.
- Slow learners are benefited for better understanding of the concepts.
- To enable the students to become more competent.

**The Practice:**

- Teachers are adapting themselves to the usage of ICT tools to provide quality education to the students.
- Non-teaching faculty is using ICT for all the office work.

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- For e – learning the College has ICT enabled classrooms with Desktops, laptops and projectors in all science departments. Desktops are provided to the language and social science departments for power point presentations, video play for conducting lectures, practical sessions and seminars. All departments have access to the internet.
- Through the concept of Online Digital Library, Audio Visual Library, Institutional Library Repository, Current Desk the institution has inculcated the new technology in teaching and learning. The main objective of introducing this concept is to make the education interesting and simple. It is an attempt to give the first-hand experience to the students with the visuals. Ultimately Online Digital Library and Institutional Library Repository are objectives towards self-learning which actually relate to the current trend where students want to have fun while learning.
- The College has the Wi-Fi facility which helps the teachers and students to stay connected to the internet and teach the updated information.
- Students use ICT tools for their project work, seminars.
- Teachers share the videos of their lectures with the students through YouTube.
- The College website is designed to showcase the institution's academic, administrative, research and student support activities.
- Use of educational apps such as Zoom, Google Meet, Google Forms and Whats App is for online classes, registration etc and sending all the information about college activities. Our college used the online mode to conduct internal examinations during the pandemic.
- The library allows the staff and students easy access to e - resources. Digital recording of the databases of all books in the library allows the administrative staff to keep track of records.
- With an online audio-video system available in the college, interactive sessions, webinars involving prominent professors and scientists were carried out.
- There is a language lab in the college.
- There is a separate computer network centre for girl students.
- Use of ICT was the only way to communicate for teachers and students during the Pandemic. Information is shared by students and teachers via e - mail and WhatsApp.
- Online communications through digital platforms like e - mail and Whatsapp are made with the students including those of neighboring colleges about admission process, organization of various programs, holidays during natural disasters, examination details, webinars, online quizzes and other competitions.

### **Evidence of Success:**

- Students' Whats-app groups have been created. Learning materials are sent to the groups for the benefit of the students.
- During the pandemic information about the time table for online classes, assignments submission, online tests etc. are sent to the students.
- Students were trained in power point presentation.
- Access to a digital library and electronic resources has improved the quality of home assignments and projects.
- In the current innovative and creative job market the Online Digital Library and audio visual library are helping the students to get ready for the competition to secure a good job. The practical knowledge which it requires is available here. Example the typing practice, spoken English exercises. It is catering the appropriate technology based services which helps to develop User Instructional to extend basic information literacy competencies and life-long learning skills. With this many of our students are able to clear the corporate interview rounds like typing test, group discussion, personal interviews etc

- With ICT facility in the College faculty members have published research articles in national and international journals as well as student presentations at state, national, and international conferences.
- Students use a variety of instructional websites and online tests to prepare themselves for competitive examinations.

### **Problems encountered and the resources required:**

- Technical Issues like Antivirus Updates and requirement of High-Speed Internet.
- The number of computers per student is 1:10.
- Staff and students were required training on how to use advanced technology.
- Encouragement of more ICT applications.
- Insufficient number of virtual classrooms.
- The purchasing of advanced software and hardware.
- Lack of ICT facility for cultural activities.
- Students of remote areas face serious network problems.
- Load shedding in rural areas.
- Mobile network/telephone network was affected by changing climatic conditions in the region such as heavy rain, strong wind etc.
- Time available for some students to use ICT facility in the college is very limited.
- Some students had financial problem of purchasing and managing cell phones.
- Expensive software and subscription to e-resources.
- Purchase of new computers and softwares.

### **Best Practice II**

**Title of the practice:** Empowering students for all round growth

#### **Objectives of the Practice:**

- To develop self-confidence, commitment, human values, discipline, positive attitude in the students.
- To develop leadership skills, communication skills among the students to face future challenges.
- To increase self-assurance and improve students' personality.
- To promote learning beyond the classroom.
- To cultivate in the students a sense of dedication, self-esteem and responsibility.
- To update students according to the societal and industry needs.
- To develop interest in and better interaction by the students.
- To instil curiosity, self-motivation and develop better communication and social skills.
- To create responsible citizens.
- To make learning more enjoyable and effective.
- To develop computer adaptive approaches.

#### **The Context:**

- In order to achieve the Vision and the Mission of the College every stake holder of the College works towards a single purpose which is to increase efficiency and productivity in the College. There is a need to take care of aspirations of all the stakeholders and satisfy their requirements.
- By balancing academic knowledge with other areas of knowledge, including a heightened sense of community, mental and emotional well-being; higher education

can cultivate in students who apply their skills with reduced stress, a sense of belonging and freedom of expression.

- The stress/anxiety is one of the existing challenges for the college students today. Nourishing cultural values, connecting students with nature, advising through the narrative approach and advocating for student voices by creating programs help in the development of students' holistic wellbeing.
- During the Pandemic the need for the academic excellence was realized and adequate measures were adopted. Online programs like webinars and workshops were great resources of information. As travelling and organizing programs offline were not possible during the Pandemic, learning on digital platforms was initiated on a larger scale to achieve academic goals.

### **The Practice:**

- There is a more accepting and empowering campus environment in the College for overall development of the students.
- For academic enrichment the College provides courses in Arts and Science Streams as there are career opportunities in these fields. The College provides Biotechnology and Computer Science education as they are preferred by students.
- To promote learning beyond the classroom, NCC and NSS camps, training programs, workshops etc, are conducted. These programmes enhance intellectual, physical, cultural, and mental growth of the students.
- The College has several Associations to provide opportunities to the students to explore and develop their innate skills for their all-round growth.
- The learning and development activities are well-structured through the Associations to ensure that the students get proper opportunities to interact, contribute, progress, lead, and succeed.
- Various Associations of the College which provide a wide range of learning opportunities to the students are :
  - Student Union
  - Career Guidance Cell
  - Social Science Association
  - Mathematics- computer Science and Physics Association
  - Bioclub
  - Parampara Koota
  - NCC ( Navy and Army ) Unit
  - NSS Unit
  - Language Association (English)
  - Youth Red Cross Unit
  - Rover Scout
  - Women Cell
  - Equal Opportunity Cell
  - Sexual harassment prevention Cell.
  - Upanishat (Sanskrit)
  - Sankalpa (Hindi)
- To make the under graduates more employable, to prepare them with an urge to seize every opportunity and maximize it, to boost success in their respective careers in the future, efforts are being made by the Career Guidance Cell by conducting workshops, training programs.
- National Cadet Corps Unit (NCC Unit) provides exposure to the students in a wide range of activities, with a distinct emphasis on discipline, patriotism and adventure training.

- The College has Women Cell, Equal Opportunity Cell and Sexual Harassment Prevention Cell to look into the grievances of teaching staff, non-teaching staff and students, especially in the cases of gender discrimination.
- National Service Scheme (NSS Unit) provides ideal platform to develop student's personality through community service, to develop leadership skills, to gain knowledge about different people from different walks of life.
- The 'Parampara Koota' of the College celebrates Traditional Day to create awareness among the students about Indian culture and Indian tradition which develops a positive sense of identity and a sense of belongingness.
- For academic improvement there are associations such as Social Science Association, Mathematics- Computer Science - Physics Association and Bioclub.
- Webinars, Online and Offline Quiz competitions, Essay competitions, poster presentations etc. are conducted by various Associations.

### **Evidence of Success:**

- The Co-Curricular and Extra-Curricular activities provided a more positive learning environment, and improved teamwork of the students.
- The students' young minds are churned and groomed for their overall growth. Activities give them the confidence to actively join, compete, and excel in a variety of intercollegiate competitions and events which is evident from the awards won by the students.
- Students Union provides opportunities to the students to actively participate in cultural and sports events. Increase in the students' strength in these events is an evidence for the success.
- "Science Fest" organised by the Chemistry Department encourages critical thinking in the students. This was proved in the activities like Science Drama carried out by UG and PG students.
- Bioclub, NSS Camp, NCC Camp, Teachers' Day celebration and Annual Social Gathering promote team work in the students.
- Students participated in an online quiz conducted by the Bio-Club on behalf of International Yoga Day from June 15th, 2019 to June 20th, 2020. 991 participants took this quiz.
- A national level web essay competition was conducted by our college on June 18, 2020. 216 students participated in the completion.
- Our NSS unit conducted an online state-level COVID-19 awareness quiz from June 21, 2020 to June 28, 2020. 847 participants took part in this quiz.
- A national essay competition on the "Role of Chemistry in combating COVID-19", was conducted by the Chemistry department on June 30, 2020.
- NSS Unit conducted online national level tobacco awareness about E-Campaign and a yoga quiz from January 1, 2020, to July 10, 2020. 694 participants took this quiz.
- Department of English organized an online quiz on 29/06/2020 on English grammar. 114 participants from all over the state took part in the quiz.
- A two-day online conference on "Nano Materials and Characterization Techniques in Physics and Material Research" (NCNMCTPMR-2020) was organised by the Physics department of our college on July 31 and August 1, 2020. 450 participants attended this webinar. Ten research scholars presented their views in this conference.
- The State Level Quiz Competition-2020 was conducted by our college on 03-08-2020.

### **Problems Encountered and resources required:**

- Transport facilities to the rural areas are not adequate in this part of the state especially in the evening. As a result co-curricular and extra-curricular activities

cannot be organized in the evening as most of the students are from the rural areas and they need to go home early in the evening, for they have no bus facility after 5 pm.

- The amount of activities that can be held is limited by time constraints due to the University Academic Calendar's strict schedule and budgetary constraints. Some of the events require a bigger financial investment.
- There is no adequate space for qualitative and authentic research work in the College.
- Covid Pandemic created a lot of problems both physical and technical; there was difficulty in conducting the webinars during the COVID period because of technical hindrances like poor internet connectivity and network reach.
- Mobilization of resources.
- Limited interaction with the audience.
- Lack of enough information in some cases about proper troubleshooting during online programs.