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Reg. A.C.C./2022-2023 **Date: / /**

Dr. Dilip P. Garud
(M. Sc. Ph.D.)
Principal

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools

- **Student Centric Methods**

The college is practicing different student centric learning methods to enhance their learning ability. It include: seminars, mini projects, paper presentations, poster presentations, etc. The college has been focusing on innovative and creative ways of disseminating, sharing, and facilitating knowledge development in students, adopting student-centric methods which are central to Outcome-Based Education.

- **Experiential learning:**

We have well equipped laboratories in Microbiology, Industrial Chemistry, Chemistry, Physics, Zoology, Botany, Computer Science and English Language. Students are allowed to conduct experiments in practical classes. Projects at UG & PG level help in imparting the required skills to the students. Students are able to grasp the concepts through demonstration, video lectures. The institution has also established e-learning facilities, Learning Management System, e-books and e-journals, Digital Libraries to improve their creative thinking in technical fields. Throughout the experiential learning process, the learners are actively engaged in posing questions, investigating, experimenting, being curious in solving problems and being creative. Arts faculty departments conduct competitions, workshops, test tutorials, assignments for the students to showcase their talent by interactive presentations, games, personality assessments and projects regarding cross cutting issues.

- **Participative learning:**

We have online courses of Career Katta, Infosys and SWAYAM. Students are motivated to participate in Quiz Competitions, Paper Presentation, Technical Seminars and Online Certification Courses to get the participative learning

environment. Student development programs and workshops are conducted to enhance the learning capabilities of the students. A pedagogical approach involving students of different cognitive levels is made to work in a collaborative manner in projects to accomplish an assigned task. The students learning methodology is further tuned by peer-to-peer learning so that students would involved in sharing their views and come out with apt solutions for the defined problems. Role play and Brainstorming are practiced for feasible content to learn the concepts in an easy way. The discussions are basically in soft skills, communication skills, managerial communications, business adoptions and many more. Science departments ensure such that students are trained on domain-related tools, technologies and soft skills. Students can access various learning modules available at learning labs or through online e-learning Resources. Students are trained in different modules from the second year onwards as per the industrial needs. Expert's Lectures, Workshops, Field visits and study tours are organised for the students.

- **Problem solving:**

  Encouragement is given to take part actively in exhibitions to enhance the problem-solving ability. Students are motivated to take part in Training and Placement, Development in consultancy activities. Students are involved in assisting research work with Quality Assurance, Research, Innovation, Incubation, Industry Interaction, Development, Entrepreneurship, Education and Social Responsibility. Students are involved in organising and coordinating various activities which develops leadership skills, team spirit, skill of critical thinking among the students. Different games are introduced to motivate students to participate in the learning process. Different departments give survey based assignments to the students. Research based projects are assigned to the students. Students are encouraged to participate in National, International Conferences.

- **ICT Tools:**
  - Projectors: Projectors are available in different classrooms/labs
  - Desktop and Laptops: Arranged at Computer Lab and Faculty cabins all over the campus.
  - Video Conferencing and Video lecture: Students are counselled with the help of Zoom / Google meet applications.
  - What's app groups and QR codes with lecture notes and e-books, Youtube links and channels
  - Printers, Photo copiers and Scanners- Multifunction printers are available at all prominent places.
  - Seminar Rooms are equipped with all digital facilities.
  - Smart Board: Smart boards are installed in the campus.
  - Auditorium: It is digitally equipped with mike, projector, cameras and computer system.
  - Wifi is made available in premises. Online Classes through Zoom, Google Meet, Google Classroom.

- Digital Library resources: Our University provides links for such recourses.
- Power Point Presentations
- Industry Connect- Seminar and Conference room are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.
- Online quiz- Faculties prepare online quiz for students after the completion of each unit with the help of Google Forms.

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