

**Annual Progress Report of
Teaching, Learning and Educational Technology (TLET) Cell
For Higher Education Institutes in Goa**

As part of the implementation of National Education Policy- 2020

Please note that, there is no space limit. Thus, if required you may expand any of the following sections (*with the spaces provided below*).

Objective 1: Outcome based Education (OBE) and Orientation programmes to College faculty

1.1) To impart high quality education, to assess and evaluate the effectiveness of the teaching-learning process in HEIs.

- Paper, Course and Programme Learning Outcomes have been clearly defined by the College. Departments have also mapped clearly defined POs, PSOs and COs.
- College faculty have developed applications for use in the library and for statistical analyses. Software applications for maintaining the library footfalls, collating and delivery of all notices, activity proposals by faculty and departments and e-certificates for students have all been developed in-house.
- Faculty follows Blooms Taxonomy while setting question papers and try to ensure that a judicious mixture of basic, intermediate, advanced as well as higher order thinking skills are tested.
- An annual orientation programme is conducted for the new batch of first year students which has to be compulsorily attended by every student with at least one parent.
- Annual orientation programme is held for faculty at the beginning of a new academic year.
- Session was conducted by Dr. Niyam Marchon for the faculty on OBE.

1.2) To measure Programme, Course and individual student attainment. Give details.

Capturing the results of an outcome based education in teaching and learning practices will only be possible once software for the same is made available by the state higher education authorities.

1.3) Strategise and recommend ways to improve NAAC accreditation & NIRF ranking.

1. The NAAC Peer team report recommends increasing the research output of the college; undertake major and minor research projects. This is severely hampered due to large number of contractual and lecture basis faculty.
2. The analysis of the NIRF rating of the college flags the need for improvement in the perception of the college among employers. This has to be done at the national level.
3. Increase in student strength – this in our case is regulated by the Goa State Authorities as admission is through a common portal and the state authorities restrict the number of students the college may admit.
4. College has instituted NIRF committee and a Master Plan has been formulated upto 2026.

1.4) Ways to provide high quality education in line with the NEP recommendation.

1. A Skill Development Cell has been established in the college during academic year 2022. Departments organise skilling add-on courses in soft skills, heritage management, Tally and other accounting/e-commerce processes; hobby courses that can be monetised like gardening, creating aquariums, mushroom cultivation and food preservation are floated whenever expertise is available.
2. Several initiatives are undertaken to provide soft skills training to students across the streams. The institution has not made a study whether these are benchmarked and aligned with the provisions of the National Skills Framework at the present time.

1.5) To create an ecosystem of motivated faculty and students.

1. Whenever available departments invite industry experts to speak, mentor and guide students, especially in the areas of finance, investment, insurance, environmental science, robotics, endangered flora and fauna – covering all the domains under each department's purview. Language departments host meet-the-author initiatives. During the Goa Arts and Literature festival, IFFI and other technology and STEM related global events that Goa hosts, opportunities arise for faculty and students to interact with writers, poets, painters, scientists, researchers, and performance artists who visit Goa. The college invites celebrities and other experts to the college campus giving a globally benchmarked perspective to professionalism and commitment to career choices.
3. The college management has, since its inception, mandated a compulsory value-education lecture for every student once a week. Days of national importance are celebrated by all faculty and students. The NSS, Environment Protection Club, Consumer Welfare Cell, Women's Cell, Faith Cell are a few examples of a holistic teaching-learning experience on campus.

<ol style="list-style-type: none"> 4. A Sports lecture is timetabled for all students once a week. The department of Physical Training and Sports hosts a Sports Day for all students on campus with innovative games and athletic events that are fun and innovative. 5. Inter class tournaments in individual sporting and athletic events provides an opportunity for sportsmanship, athleticism and physical prowess to shine. It provides an opportunity for young adults who may not excel in academics or cultural activities to find their place in the sun and win admiration and accolades. 6. A large number of arts and crafts events (rangoli, wealth out of waste etc.), cultural programmes and competitions provide students leadership opportunities, hone organisational skills, encourage public speaking and to showcase and explore their talents on stage – even learn new ones. 7. A spirit of prayer, social events, and college clubs and cells like the NSS, NCC, Environment protection Cell, Consumer Welfare Cell foster values of patriotism, service, climate issues, justice and empowerment, a ‘feel-good’ factor and mental, physical and spiritual health. 8. Training for entrance exams is undertaken by the Math and Political Science departments and the Placement Cell. Departments also do need based remedial teaching and help students prepare for the GUART entrance exam for post graduate courses at Goa University. 	
1.6) Any other information /activities conducted based on OBE.	
<ol style="list-style-type: none"> 1. College has collaborated with WWF-India, Goa office to provide an internship opportunity for students. It involves conducting house to house surveys on domestic plastic waste management and Ecological aspects of plastic pollution in villages. Carmel college students are playing a key role in conducting the surveys and obtaining valuable data which will prove instrumental in designing mitigation measures to control plastics from getting into the river ecosystem. This aids the ongoing effort to address domestic plastic pollution in the river Sal basin across the Salcete taluka. Currently 9 students are pursuing this internship. 7 from TY Zoology, 1 from SYBSc and 1 from SYBA. 2. Clubs, cells and cultural and sporting opportunities also make students aware of a variety of future employment opportunities. 3. The college recommends that every student complete a minimum of 2 weeks’ period of work experience anytime during the years that they are in college before they graduate. This has been our ‘Good Practice’ initiative since 2017. Its aim is to make students aware of the demands of the workplace. Students may receive a stipend or may complete this requirement with volunteering for a professional organisation, business or institution. Eg: department and book stores; banks; health centers; schools; Sangath, Asha Deep and other organisations that work with children with special needs etc. 	

4. The college collaborated with the Bodhi Academy to conduct a free orientation for aspirants for government jobs and exams for GPSC posts, post of BDO.	
<u>Objective 2: Pedagogy and Education Technologies</u>	
2.1) To promote the use of the latest teaching pedagogy and educational technologies among faculty. Give details.	
<ol style="list-style-type: none"> 1. Every year the college increases the purchase and use of Smart/interactive screens. 2. Some faculty continue hybrid modes of delivery even after covid to provide study and reference material. 3. The Principal and Management facilitate faculty attendance of courses, workshops and seminars conducted by state authorities - eg: DHE, GSHEC. 4. Sound and audio equipment is bought and upgraded for use by departments so that multimedia may be used in the classroom. 	
2.2) Faculty Development Programmes (FDPs) attended/organized for teaching faculty in areas of Teaching, Learning Education Technologies. Give details.	
<ol style="list-style-type: none"> 1. Faculty attended the Masterclasses and FDPs in Banking (2 Asst. professors); Mathematics (2); Experiential Education, Creative Thinking, and Hands-on Pedagogy in the Physical Sciences (6); organised by the Directorate of Higher Education and Goa State Higher Education Council (GSHEC) in order to be prepared for the NEP syllabus requirements. 2. Faculty have attended the NEP Syllabus drafting workshops organised by university departments and Boards of Study. 3. In June 2023, some faculty members attended the workshop organised by the Directorate of Higher Education for non-PhD faculty who guide third year student projects. 	
<u>Objective 3: Massive Open Online Courses (MOOC)</u>	
3.1) Initiatives taken by college to develop and create MOOC	
Faculty members are available to deliver MOOC courses. Infrastructure is needed for this purpose.	
3.2) Give details of promotion of MOOC courses in the college.	
Posters of the list of MOOC courses are put up on the notice board. Digital	

forwards are also sent to the student body.	
3.3) Whether any proposal is submitted to DHE or any other agencies for creating of MOOCs. Give details.	
This has not been implemented in the academic year 2022-23	
<i>Objective 4: Use of ICT in classroom teaching & Blended learning using Dishtavo teaching modules and other ICT Tools.</i>	
4.1) List the ICT tools used by faculty for effective teaching-learning process in the college.	
<ul style="list-style-type: none"> • Power Point Presentation • Google Classrooms • Interactive screens • LCD screens • Tally 	
4.2) Use of ICT tools for effective curriculum delivery for teaching-learning and evaluation process.	
LCD Screens for Ppts and videos, audio and e-books, smartboards, Google classrooms, hybrid and digital modes of curriculum delivery and evaluation. (eg: objective quiz, multiple choice tests)	
4.3) List the training programs/workshops conducted by college to promote ICT tools among faculty.	
<p>These have been planned for the academic year 2023-24.</p> <p>The TLET Cell has proposed a faculty upgrade initiative one Thursday of every month during Zero hour. A workshop, demonstration or mentoring session would be held on topics like using software like Excel effectively, how to use Google docs and other need based software/ICT tools.</p>	
4.4) Give suggestions for creating the additional infrastructure/technical requirement for ICT implementation in college.	
<ul style="list-style-type: none"> • Interactive screens in every classroom with laptop/tablet facility • More LCDs • More LEDs 	
• Best Practices	
List the best practices by TLET Cell of the Institute: <i>(if any)</i>	
Mapping of POs, PCOs, COs during academic year 2022-23.	

<ul style="list-style-type: none"> ● Future Plan 	
<p>List the measures to improve the knowledge and appropriate planning for achieving the mentioned TLET objectives.</p>	
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<ul style="list-style-type: none"> ● Challenges 	
<p>List the challenges for the TLET Cell for achieving the mentioned TLET objectives.</p>	
<table border="1"> <tr> <td> <ul style="list-style-type: none"> ● Finance ● Large no of faculty on contract and lecture basis is not conducive to research output, committed upgrading of knowledge and skills. </td> </tr> </table>	<ul style="list-style-type: none"> ● Finance ● Large no of faculty on contract and lecture basis is not conducive to research output, committed upgrading of knowledge and skills.
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