

GOA UNIVERSITY
Taleigao Plateau, Goa 403 206

MINUTES

of the 3rd Meeting of the Standing Committee of
X ACADEMIC COUNCIL

Day & Date

13th August, 2021

Time

10.30 a.m.

Venue
Council Hall
Goa University

	<p>by Charles Emmerson as Reference to the Course IRO-134 The Arctic in Global Politics.</p> <p>It was decided to set up a Committee to discuss regarding the Scheme of Examination for the Online Mode.</p> <p>(Action: Assistant Registrar Academic-PG)</p>
D 3.4	<p>Minutes of the Board of Studies in Skill Enhancement meeting held on 26/07/2021</p> <p>After discussion, the Standing Committee of the Academic Council approved the Structure and academic content of the Courses recommended by the Board of Studies.</p> <p>It was resolved to refer the proposals to the Directorate of Higher Education for its concurrence as they have financial implications due to increase/decrease in the workload of the teachers.</p> <p>(Action: Assistant Registrar Academic-PG)</p>
D 3.5	<p>Minutes of the Board of Studies in Physical Education meeting.</p> <p>The Standing Committee of the Academic Council referred the minutes along with the three-column format back to the Board of Studies.</p> <p>The Standing Committee of the Academic Council authorized the Vice-Chancellor to approve the same.</p> <p>(Action: Assistant Registrar Academic-PG)</p>
D 3.6	<p>Minutes of the Board of Studies in Biotechnology meeting held on 28/07/2021.</p> <p>The Standing Committee of the Academic Council approved the minutes of the Board of Studies in Biotechnology meeting held on 28.07.2021.</p> <p>(Action: Assistant Registrar Academic-PG)</p>
D 3.7	<p>Minutes of Meeting Board of Studies in Economics held on 10th August, 2021</p> <p>The Standing Committee of the Academic Council approved the minutes of Board of Studies in Economics meeting held on 10.08.2021.</p> <p>(Action: Assistant Registrar Academic-PG)</p>
D 3.8	<p>Minutes of the Board of Studies in Konkani meeting held on 9th August 2021 through Online mode.</p> <p>The Standing Committee of the Academic Council approved the minutes of the Board of Studies in Konkani meeting held on 9th August 2021 through Online mode.</p> <p>The Course 'Study of Konkani 'Tiatr'' i.e. KKO – 432 was withdrawn to be placed before the Board of Studies.</p> <p>(Action: Assistant Registrar Academic-PG)</p>
D 3.9	<p>Minutes of the Board of Studies in Commerce (UG)</p> <p>The Standing Committee of the Academic Council approved the minutes of the Board of Studies in Commerce (UG).</p> <p>(Action: Assistant Registrar Academic-PG)</p>

**MINUTES OF BOARD OF STUDIES MEETING IN ECONOMICS
HELD ON 10th AUGUST, 2021, AT 3.30 P.M**

Vide Goa University notice dated 06/08/2021, the Board of Studies in Economics met online at 3.30 P.M. on Tuesday on 10th August, 2021. Since the number of members present represented the Quorum, the BOS began its proceedings.

Minutes are presented in the format.

Members present:

1. Dr. P.K. Sudarsan, Professor in Economics and Vice Dean (Research), Goa Business School Goa University (Chairperson)
2. Dr. S. M. Noronha, Professor in Economics, Goa Business School, Goa University.
3. Dr. Pranab Mukhopadhyay, Professor in Economics, Goa Business School, Goa University, Goa
4. Ms Heena Gaude, Assistant Professor, Department of Economics, Goa University, Goa
5. Dr. Christina D'Souza, Associate Professor, Govt College of Arts, Science and Commerce College, Khandola
6. Dr. Apoorva A Marate, Associate Professor, CES College of Arts & Commerce.
7. Dr. Purva Hegde Desai, Professor in Management, Goa Business School, Goa University

Members Absent:

1. Dr. Lira Menzes Gama, Associate Professor, Shree Damodhar College, Margao
2. Dr. Gervasio Mendes, Principal, Govt college of Arts & Science, Sanquelim, Goa
3. Dr. Danamanjari Sathe, Professor in Economics, Pune University.

Proceedings:

The Chairperson welcomed the members of the Board of Studies (BOS). The Chairperson introduced and explained the agenda for the present meeting. The Board transacted the following business:

Agenda Items:

1. Approval of prerequisites for the Course Techniques of Geo-spatial Analysis
2. A.O.B

PART A :

- i. Not on Agenda
- ii. BOS discussed, finalized and recommended the prerequisites for the Course Techniques of Geo-spatial Analysis – 4 credits
- iii. Not on Agenda
- iv. Not on Agenda
- v. Not on Agenda
- vi. Not on Agenda
- vii. Not on Agenda
- viii. Not on Agenda

PART B :

- i. Not on Agenda
- ii. Not on Agenda
- iii. Not on Agenda
- iv. **Not on Agenda**
- v. Not on Agenda
- vi. Not on Agenda

PART C :

- i. Not on Agenda
- ii. Not on Agenda

PART D :

- i. Not on Agenda
- ii. **Not on Agenda**

PART E :

- i. Not on Agenda
- ii. Not on Agenda
- iii. Not on Agenda
- iv. Not on Agenda

A.O.B-

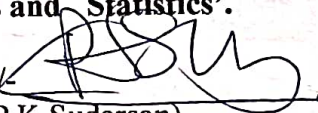
NIL

PART F:

1. Important Points/recommendations of BOS that require consideration/approval of Academic Council:

Approval of the prerequisites for the course 'Techniques of Geo-spatial Analysis' (Eco-0130) as 'the basic knowledge of Mathematics and Statistics'.

Date : 10th August, 2021

Sd/ 
(Professor P.K. Sudarsan)
Signature of the Chairperson

PART G : The remarks of the Dean of the Faculty :

- a. The minutes are in order.
- b. The minutes may be placed before the Academic Council with remark, if any.
- c. Important points of the minutes which need clear policy decision of the Academic Council to be recorded.

Date : 10/08/2021

Signature of the Dean
(Goa Business School)



GOA UNIVERSITY
Taleigao Plateau

**CHECKLIST TO BE FORWARDED BY THE CHAIRPERSON WHILE SUBMITTING
THE MINUTES OF THE BOARD OF STUDIES**

Sr. No.	Description of the Function	Done	Not Done X	Remarks
A-(i)	Recommendation of Syllabus at UG level			NOA
(ii)	Recommendation of Syllabus at PG level	Done		
(iii)	Marking Pattern Unit wise for UG level			NOA
(iv)	Marking Pattern Unit wise for PG level			NOA
(v)	Detailed Distribution of Topics at UG level			NOA
(vi)	Detailed Distribution of Topics at PG level			NOA
(vii)	Model Question Papers for UG level			NOA
(viii)	Model Question Papers for PG level			NOA
B- (i)	Scheme of Examination at UG level			NOA
(ii)	Panel of Examiners for UG level			NOA
(iii)	Panel of Feedback Evaluators for UG level			NOA
(iv)	Scheme of Examination at PG level			NOA
(v)	Panel of Examiners for PG level			NOA
(vi)	Review of Question Paper Set at all University Examinations			NOA
C-(i)	Reference books recommended for UG			NOA
(ii)	Reference books recommended for PG			NOA
D-(i)	General academic requirements at the PG Depts.			NOA
(ii)	Recommendation of Academic Audit Committee and Status thereof			NOA
E(i)	Prescribed Textbooks for the UG level			NOA
(ii)	Name of the Publisher/Date of Publication-UG			NOA
(iii)	Prescribed Textbooks for the PG level			NOA
(iv)	Name of the Publisher/Date of Publication-PG			NOA
F(i)	Declaration by the Chairman that the Minutes were read	Done		

Signature of the Dean with Date

**Signature of the Chairperson
with date**

Extract of the minutes of Standing Committee of Academic Council meeting held on 13th August 2021.

D 3.7 Minutes of Meeting Board of Studies in Economics held on 10th August, 2021.

The Standing Committee of the Academic Council approved the minutes of Board of Studies in Economics meeting held on 10.08.2021.

Programme: M.A. Economics

Course Code: ECO 0130

Title of the Course: Techniques of Geo- spatial Analysis

Number of Credits: 4

Total Contact Hours: 48

Effective from AY: 2021-22

Prerequisites for the Course:	The basic knowledge of Mathematics and Statistics	
Objective:	To introduce the students the technique of spatial data analysis and its applications in Economics	
Content:	Module 1: Use of spatial data in economic analysis- Introduction to QGIS - installing QGIS and its graphical user interface.	6 hours
	Module 2: Data Creation and editing formats Data formats- Interacting with data -inspecting, measuring and selecting data, Vector Data- attribute data, projections, creating shapefile, snapping, topology and data joins, Raster Data.	14 hours
	Module 3: Creating map and styling Styling raster layers- terrain, satellite images and landcover map, styling vector layers- simple maker, point line and polygon style- labeling - map creation- print layout.	14 hours
	Module 4:Spatial Analysis Analysing raster data- clipping, analysing elevation, terrain projections and raster calculator, Combining raster and vector data-converting between raster and vector and zonal statistics, Advanced raster and vector analysis with processing.	14 hours
Pedagogy:	Lectures/ tutorials/assignments/group activity	
Reference/		

