

**MINUTES OF THE FIRST MEETING OF THE GEOGRAPHY BOARD OF STUDIES HELD AT  
PARVATIBAI CHOWGULE COLLEGE OF ARTS AND SCIENCE (AUTONOMOUS)**

**Date: 10<sup>th</sup> January 2015**

**Time: 10:00 am to 4:00 p.m.**

**Venue: Photogrammetry and Research Lab (A-313)**

The Chairman, Dr. Nandkumar N. Sawant welcomed and introduced all the members. The meeting began with a brief overview on the efforts taken by the college towards autonomy, by the Chairman. He presented the agenda and explained the course structure. The meeting started at 10:30 am and ended at 4:00 pm.

**AGENDA**

1. To approve the list of core and elective courses for undergraduate program in Geography for B.Sc.
2. To approve the syllabi of Semester I and Semester II of B.Sc. for the academic year 2015-16.
3. Recommend panel of examiners to the Academic Council.
4. Any Other Business (A.O.B.)

**Details of the discussion**

<b>1</b>	<b>AGENDA 1: To approve the list of core and electives courses for undergraduate program in Geography at B.Sc.</b> The following suggestions were made:
1.1	<ol style="list-style-type: none"> <li>i. Dr. Surendra Thakurdessai and Dr. Nandkumar Sawant suggested that the paper title of GEG-I.SC 1: Physical Geography of Semester I, should be changed to <b>Fundamentals of Physical Geography</b></li> <li>ii. Mr. Adrian Ferro suggested that the paper title of GEG-II. SC-4: Human Geography of Semester II, should be changed to <b>Geography of Man and his Environment</b>, since the title is repeated for GEG-VI. SC-8: Human Geography at Semester VI</li> <li>iii. Dr. Nandkumar Sawant suggested that the paper title of GEG-VI. SC-8: Human Geography of Semester VI, should be changed to <b>Geography of Sustainability</b></li> <li>iv. Dr. Nandkumar Sawant suggested that the paper title of GEG-VI.E-13: Urban Geography of Semester VI, should be changed to <b>Cities and Sustainability</b></li> <li>v. Dr. Nandkumar Sawant suggested that the paper GEG-VI.E-14: Industrial Geography of Semester VI, should be changed to <b>Statistical Geography</b></li> <li>vi. Dr. Nandkumar Sawant suggested that the paper title of GEG-VI.E-15: Population</li> </ol>

	Geography of Semester VI, should be changed to <b>Population, Society and Sustainability</b>
<b>2</b>	<b>AGENDA 2: To approve the syllabi of Semester I and Semester II at F.Y.B.Sc. for the academic year 2015-2016</b>
2.1	<p><b>Paper Title: Physical Geography</b> <b>Paper Code: GEG-I.SC 1</b></p> <ol style="list-style-type: none"> <li>i. Dr. Nandkumar Sawant suggested changes in Course Objective and Learning Outcome.</li> <li>ii. Dr. Surendra Thakurdessai suggested that Historical Development of Geomorphology from Unit I should be excluded from Semester I and introduced at a later semester</li> <li>iii. Dr. Surendra Thakurdessai opined that separate topics may be merged as a single topic on <b>Nature, Scope and Significance of Geomorphology</b> in Unit I</li> <li>iv. Dr. Nandkumar Sawant suggested omission of the topics Earth movements- Exogenic &amp; Endogenic Movements and Associated Landform from Unit I</li> <li>v. Mr. A. Ashish suggested deletion of the topic Soils from Unit I, since it would be too vast</li> <li>vi. Dr. Surendra Thakurdessai and Dr. Pravina Kerkar suggested that the topics Precipitation- Types and its Spatio-temporal Distribution should be deleted from Unit II</li> </ol>
2.2	<p><b>Paper Title: Practicals in Physical Geography</b> <b>Paper Code: GEG-I.SC 1</b></p> <ol style="list-style-type: none"> <li>i. Dr. Nandkumar Sawant reframed the Course Objective as 'The course aims to develop skills of relief representation and climate data analysis. Also, the second sentence from Learning Outcomes was deleted.</li> <li>ii. In Unit – I, it was recommended that the order of topics should be changed – 'Representation of Relief Features with the help of Contours' was put as the first topic.</li> <li>iii. Dr. Pravina Kerkar suggested to delete Contour Types and Characteristics from Unit I</li> <li>iv. Dr. Surendra Thakurdessai suggested shifting the topic Profiles: Types, Drawing of Profiles from Unit II to Unit I. He also suggested adding '<b>a) Cross and Longitudinal, b) Composite, Projected and Superimposed</b>' to the topic</li> <li>v. Dr. Nandkumar Sawant and Dr. Pravina Kerkar reframed Unit II with topics on <b>Calculation of RH, Min, Max and Range of Temperature, Climographs Hythergraphs, Comfort Diagram, Interpolation techniques</b></li> <li>vi. Dr. Pravina Kerkar pointed out that marks for Journal were not entered in the syllabus. On her suggestion, changes were made in the Practical Sessions and Marks distribution as follows:             <ul style="list-style-type: none"> <li>- Unit I : Sessions – 10; Marks – 12</li> <li>- Unit II : Sessions – 5; Marks – 8</li> <li>- Journal: Marks - 5</li> </ul> </li> </ol>
2.3	<p><b>Paper Title: Basic Cartographic Techniques (Theory)</b> <b>Paper Code: GEG-I. SC2</b></p> <ol style="list-style-type: none"> <li>i. The Course Objective was reframed as 'The course aims to develop skills of Map</li> </ol>

	<p>Making.’ Also, Learning Outcomes was rephrased as ‘After completion of this course, students will be familiar with Mapping Techniques.’</p> <p>ii. Dr. Nandkumar Sawant recommended re-shuffling the order of topics in Unit I. ‘Mapping Organizations in India – Survey of India, NATMO, NRSA’ was reordered as the second topic.</p> <p>iii. Dr. Surendra Thakurdessai suggested adding <b>SOI</b> to Conventional signs and symbols in the Sub-topic Map Symbolization in Unit I</p>
2.4	<p><b>Paper Title: Practical in Cartographic Techniques</b> <b>Paper Code: GEG-I. SC2</b></p> <p>i. The Course Objective was reframed as ‘The course aims to develop skills of constructing the scale, projections and preparation of map.’ Also, Learning Outcomes was rephrased as ‘After the completion of this course students are expected to be familiar with Map and its properties.’</p> <p>ii. Dr. Surendra Thakurdessai suggested to add <b>Bearings</b> to the topic Identification of Directions in Unit I</p> <p>iii. Mrs. Anagha Bicholcar opined that Unit II should be subtitled as ‘<b>Projections</b>’</p> <p>iv. Dr. Surendra Thakurdessai and Dr. Pravina Kerkar suggested changing the sequence of topics in Projections in Unit II in the following order: <b>Zenithal Polar Gnomonic, Zenithal Polar Stereographic, Cylindrical Equal Area, Mercator’s Projection, Conical Projection with two standard parallels, Bonne’s Projection and Polyconic.</b></p> <p>v. Dr. Nandkumar Sawant pointed out that some of the books in references are repeated and need to be deleted.</p>
2.5	<p><b>Paper Title: Oceanography (Theory)</b> <b>Paper Code: GEG- II. SC 3</b></p> <p>i. The Course Objective was reframed as ‘The course provides the basic conceptual framework of oceanography, its dynamism and the contemporary issues associated with Oceans.’ Also, Learning Outcomes was rephrased as ‘At the end of this course, students are expected to have an understanding of fundamental concepts of oceanography and issues.’</p> <p>ii. In Unit one the first three topics were merged as a single topic on <b>Development of Oceanography as a Discipline, Significance and Scope.</b></p> <p>iii. In Unit II, the topics under Properties of Ocean Water were merged as a single topic on Salinity, Temperature, Density, and relation among them.</p> <p>iv. Dr. Surendra Thakurdessai and Mr. A. Ashish suggested that Factors affecting Salinity and Deep water Circulation should be omitted from Unit II</p> <p>v. Dr. Nandkumar Sawant and Dr. Surendra Thakurdessai opined that the subtitle Coral Reefs of Unit III should be re-titles as ‘<b>Issues in Oceanography</b>’.</p> <p>vi. Dr. Surendra Thakurdessai suggested incorporating <b>Acidification</b> in Unit III.</p> <p>vii. The members suggested deletion of the topics Marine Resources of Continental shelf and impacts.</p> <p>viii. Dr. Surendra Thakurdessai suggested that reference books should be updated.</p>
2.6	<p><b>Paper Title: Practicals in Oceanography</b> <b>Paper Code: GEG- II. SC 3</b></p> <p>i. The last line from Course Objective was deleted. Similarly the last sentence from Learning Outcomes was deleted</p>

	<ul style="list-style-type: none"> <li>ii. Dr. Surendra Thakurdessai reframed Unit I as '<b>Signs and symbols in Hydrographic Charts and reading of Hydrographic Chart. Reading of Bathymetric, reading of Naval Hydrographic Chart, and Maritime Bathymetric charts. Plotting of Bathymetric and Hypsometric curves</b>'</li> <li>iii. Dr. Surendra Thakurdesai suggested deletion of Drawing and interpretation of Hypsometric curves, Bathymetric curves of Atlantic and Indian Oceans.</li> <li>iv. Dr. Surendra Thakurdesai suggested inclusion of '<b>Salinity, PH Conductivity and Total Dissolved Salts</b>' to the subtopic Water Analysis of Unit II.</li> <li>v. Dr. Surendra Thakurdessai suggested omission of Soil testing, Estuarine and river sediment analysis, Estuarine salinity analysis and graphical representation from Unit III.</li> <li>vii. Dr. Pravina Kerkar suggested, changes in the Practical Sessions and Marks distribution as follows: <ul style="list-style-type: none"> <li>- Unit I : Sessions – 10; Marks – 15</li> <li>- Unit II : Sessions – 5; Marks –5</li> <li>- Journal: Marks - 5</li> </ul> </li> </ul>
2.7	<p><b>Paper Title: Human Geography</b> <b>Paper Code: GEG- II. SC 4</b></p> <ul style="list-style-type: none"> <li>i. Mr. Adrian Ferro suggested that the paper title should be changed to <b>Geography of Man and his Environment</b>, since the title is repeated for GEG-VI. SC-8: Human Geography at Semester VI</li> <li>ii. Dr. Nandkumar Sawant and Dr. Surendra Thakurdessai reframed the Course Objective as 'The course aims to understand man environment and issues associated with human intervention.' Similarly, the Learning Outcome was reframed as 'After the completion of this course, students will learn to appreciate the symbiotic relationship between man and his environment.'</li> <li>iii. Mrs. Anagha Bicholcar opined that Urbanization and weather modification. Coastal settlement and activities and impacts. Globalization and its impacts should be deleted from Unit I</li> <li>iv. Dr. Nandkumar Sawant suggested to exclude Global Migration- Causes and Consequences from Unit II. He also suggested to add <b>Population and its Impact on Resources</b> in Unit II</li> <li>v. Dr. Surendra Thakurdessai reframed the subtopic Human Settlements of Unit III as '<b>Human Settlements – (Rural-Urban settlement) House types and their association with phsiography and climate distribution with special reference to India. Urbanization and weather modification.</b>'</li> <li>vi. In Unit III, Mrs. Anagha Bicholcar suggested that the subtopic Society and Culture should be limited to '<b>Evolution of man – Physical and Cultural</b>' while topics on Australopithecus, Homo Erectus, Homo sapiens. Man's spread over the earth during the Pleistocene) cultural Diffusion, Cultural realms, World Human Races – Classification, Characteristics and Distribution should be deleted.</li> <li>vii. Dr. Nandkumar Sawant suggested inserting <b>Climate, Health and Diseases</b> in Unit III</li> </ul>

2.8	<p><b>Paper Title: Practicals in Human Geography</b>  <b>Paper Code: GEG- II. SC 4</b></p> <ol style="list-style-type: none"> <li>i. Mr. Anagha Bicholcar suggested that the paper title should be changed to <b>Techniques in Demographic Analysis.</b></li> <li>ii. Dr. Surendra Thakurdessai reframed the Course Objective as 'The course provides the understanding of basic quantitative aspects of demography and man-resource relationship.' He also changed the Learning Outcome as 'At the end of this course, students will be able to interpret population and resource data.'</li> <li>i. Dr. Nandkumar Sawant suggested to replace the word Natality with <b>Fertility</b> in Unit I</li> <li>iii. Dr. Sanjay Gaikwad suggested to delete Calculation and interpretation from Unit I</li> <li>iv. Dr. Nandkumar Sawant and Mr. A. Ashish suggested that Unit II should be reframed as '<b>Land Carrying Capacity, Man – Resource Ratio, Nutritional Density, Calculation of Population Pressure on Land. Population Concentration Index.</b>'</li> <li>v. Dr. Pravina Kerkar suggested, changes in the Practical Sessions and Marks distribution as follows:             <ul style="list-style-type: none"> <li>- Unit I : Sessions – 10; Marks – 12</li> <li>- Unit II : Sessions – 5; Marks – 8</li> <li>- Journal: Marks – 5</li> </ul> </li> </ol>
3	<b>AGENDA 3: Recommend panel of examiners to the Academic Council:</b>
3.1	<ol style="list-style-type: none"> <li>1. Dr. P. K. Rath Associate Professor Department of Geography, Government College, Khandola, Marcel, Goa</li> <li>2. Dr. K. R. Badiger Associate Professor Department of Geography, Government College, Sanquelim, Goa</li> <li>3. Dr. Prakash Morkar Associate Professor Department of Geography, C.E.S. College, Cuncolim, Goa</li> <li>4. Dr. Pravina Kerkar Associate Professor Department of Geography, Government College, Khandola, Marcel, Goa</li> <li>5. Ms. Josephine Dias Associate Professor Department of Geography, Government College, Quepem, Goa</li> <li>6. Ms. Charmaine Lewis e Pereira Assistant Professor Department of Geography, Government College, Quepem, Goa</li> </ol>

	<p>7. Ms. Maria Rodrigues Assistant Professor Rosary College, Navelim, Goa</p> <p>8. Dr. Nandkumar N. Sawant Associate Professor Department of Geography &amp; Research Centre Parvatibai Chowgule College of Arts &amp; Science, (Autonomous), Margao - Goa</p> <p>9. Mrs. Anagha Bicholcar Assistant Professor Department of Geography &amp; Research Centre Parvatibai Chowgule College of Arts &amp; Science, (Autonomous), Margao – Goa</p> <p>10. Dr. Sanjay Gaikwad Assistant Professor Department of Geography &amp; Research Centre Parvatibai Chowgule College of Arts &amp; Science, (Autonomous), Margao - Goa</p> <p>11. Mr. A. Ashish Assistant Professor Department of Geography &amp; Research Centre Parvatibai Chowgule College of Arts &amp; Science, (Autonomous), Margao - Goa</p> <p>12. Mr. Adrian Ferro Assistant Professor Department of Geography &amp; Research Centre Parvatibai Chowgule College of Arts &amp; Science, (Autonomous), Margao - Goa</p>
3.2	<p><b>Resolution on the proposed panel of examiners to the Academic Council:</b> The recommended list of examiners was unanimously approved by the members of Board of Studies present at the meeting.</p>
<b>4</b>	<b>ANY OTHER BUSINESS</b>
4.1	<p><b>To propose and approve the syllabi of M.Sc. Geoinformatics and Postgraduate Diploma in Geoinformatics for the academic year 2015-2016</b></p> <p>i. No changes were suggested</p>
4.2	<p><b>Resolution on the proposed syllabi:</b> The proposed syllabi of M.Sc. Geoinformatics and Postgraduate Diploma in Geoinformatics for the academic year 2015-16 is approved unanimously, by the members of Board of Studies present at the meeting.</p>

4.3	<p><b>Recommend panel of examiners for Postgraduate Courses to the Academic Council:</b></p> <ol style="list-style-type: none"><li>1. Sulochana Shekar Associate Professor School of Earth Sciences, Department of Geography, Central University of Karnataka, Gulbarga</li><li>2. Dr. S. D. Pardeshi Associate Professor Department of Geography, University of Pune, Pune</li><li>3. Dr. Lokesh T. Nayak Associate Professor Department of Geography, Karnatak University, Dharwad</li><li>4. Dr. Abhay Patil Lecturer, RPD College, Belgaum</li><li>5. Dr. D. H. Pawar Assistant Professor, Department of Geography, Shivaji University, Kolhapur</li><li>6. Dr. Surendra Thakurdessai Vice-Principal R.P. Gogate and R.V. Jogalekar College, Ratnagiri, Maharashtra</li><li>7. Jagadish Sapkale Assistant Professor Shivaji University, Kolhapur, Maharashtra</li><li>8. Sachin Panhalkar Associate Professor Shivaji University, Kolhapur, Maharashtra</li><li>9. Dr. F. M. Nadaf Associate Professor Department of Geography, Shree Mallikarjun College, Canacona, Goa</li><li>10. Dr. P. K. Rath Associate Professor Department of Geography, Government College, Khandola, Marcel, Goa</li><li>11. Dr. K. R. Badiger Associate Professor Department of Geography, Government College, Sanquelim, Goa</li></ol>
-----	--

	<p>12. Dr. Prakash Morkar Associate Professor Department of Geography, C.E.S. College, Cuncolim, Goa</p> <p>13. Ms. Josephine Dias Associate Professor Department of Geography, Government College, Quepem, Goa</p>
6.6	<p><b>Resolution on the proposed panel of examiners to the Academic Council:</b> The recommended list of examiners was unanimously approved by the members of Board of Studies present at the meeting.</p>

The meeting ended at 4:00 p.m., with a vote of thanks by the Chairman.

The following members of the Board of Studies in Geography were present for the meeting:

- |                              |                            |
|------------------------------|----------------------------|
| 1. Dr. Nandkumar N. Sawant   | - Chairman                 |
| 2. Mrs. Anagha C. Bicholcar  | - Member                   |
| 3. Dr. Sanjay Gaikwad        | - Member                   |
| 4. Mr. A. Ashish             | - Member Secretary         |
| 5. Mr. Adrian Ferro          | - Member                   |
| 6. Dr. Surendra Thakurdessai | - Academic Council Nominee |
| 7. Dr. Pravina Kerkar        | - Academic Council Nominee |
| 8. Ms. Mallica Desai         | - Alumni                   |

Two members of Board of Studies in Geography, the Vice-Chancellor (Goa University) Nominee, Dr. Ambadas Jadhav and representative from Industry/Corporate sector, Mr. Amarsh Chaturvedi, conveyed their inability to attend the meeting and were thus absent for the first meeting of Board of Studies in Geography.

Dated : 16/01/2015

Dr. NANDKUMAR N. SAWANT  
Chairman  
Board of Studies in Geography

Mr. A. ASHISH  
Member Secretary  
Board of Studies in Geography