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|  | Republic of the Philippines  COMMISSION ON HIGHER EDUCATION - BICOL UNIVERSITY  **ZONAL RESEARCH CENTER**  REGION V  Legazpi City | BU SEAL |

ZONAL RESEARCH PROGRAMS

**Priority Areas for Research**

**TEACHER EDUCATION**

On Teachers

* Quality of tests/examinations given
* Modes of instructional delivery/Instructional Practice
* Development and validation of teaching strategies
* Research on the three core competencies for teachers, namely, teaching competency, professional competency, and punctuality and attendance
* Assessment of performance standards for teaching competency
* Teacher education in the region (total development of a person)
* Case study of elementary and secondary teachers in terms of field of specialization and handling of multigrade level combinations
* Time Management

On Students

* Performance evaluation on national achievement tests
* Factors affecting participation rate, cohort survival rate, and drop-out rate
* Student Performance/Assessment of Student Learning
* Teaching-Learning Process

On Facilities and Resources

* Effect of the lack of material resources and facility on the teachers’ capacity
* Instructional Materials Development
* Review and evaluation of the quality of instructional materials
* Access of ICT facilities of teachers and students
* Access and quality of ICT used in teaching
* Learning Environments
* Educational Technologies

On Curriculum

* Adoption of the native language of students as the medium of instruction
* Review and development of teaching strategies and learning systems
* Research on educational programs: ladderized programs versus degree-oriented; vocational and technical trainings
* Access to different programs in the tertiary level
* Shifting of programs among students
* Learning improvement through information technology
* Acceptability of technical-vocational curriculum
* Curriculum Reforms/Revisions

Access to Education

* Factors affecting access to education
* Access to education versus quality

Management and Governance

* Managerial capability and preparedness of school administrators
* Value system of school administrators and teachers
* School-based policy and management studies
* School Organization/Administration
* Policy Research
* Home-School Partnerships/Linkages
* School Effectiveness

Economics of Higher Education

* Level of education versus earning capacity
* Economics of community colleges and quality of education

Tracer Studies

* Graduate-job mismatch
* Employment system

**SOCIO-ECONOMICS**

Labor and Employment

* Employment and underemployment in the region
* Terms of employment
* Academe and industry linkage
* Education-employment mismatch

Poverty in Bicol Region

* Productivity and employment studies
* Access to basic social services of poverty-stricken areas
* Poverty mapping and poverty incidence studies
* Identification of opportunities to address poverty
* Poverty and environmental degradation

Climate Change and Disaster Management

* Climate change policy research
* Climate risk management and disaster preparedness of various sectors
* Vulnerability assessment of various eco-zones
* Economics of coping mechanisms and disaster response
* Disaster preparedness of LGUs
* Economics of natural disasters
* Biodiversity

Gender and Development

Good Governance

**ICT**

Development of Software Technologies

* For education
* Solutions for distance learning
* Computational research

Intellectual Property Rights

Open Source Software (General Public Licensing) versus Closed Source

Accessibility of ICT Equipments

Pedagogy of Teaching ICT

Creativity/Innovations in the Use of ICT

* Teaching discoveries
* Early development of computer skills

Extent of implementation of ICT use

Computer literacy (proficiency)

Algorithms and computing theory

**BASIC ECONOMICS AND ENTREPRENEURSHIP**

Policy Research on Green Packaging

Viability of Establishing SME Parks by LGUs

Industry Profile and Situationer on Top Industry Sectors in Bicol Region

Business Competitiveness of LGUs

Market Development Research on Consumer Products

Cost of Doing Business in Bicol Region

Setting up of SME Business Incubation Centers in HEIs

Technology Transfer Studies for SMEs

Abaca and Pili Researches to Build Local Industry

Curriculum Development Equipping Elementary and Secondary Students with Entrepreneurial Skills

Assessment and Modeling of Business Strategies (e.g. review of best practices, business incubation, and government-sponsored/aided programs