



Workshop on the Importance of Research



THE IMPORTANCE OF RESEARCH FOR BACHELOR'S DEGREE STUDENTS

The Focus of the Third-Year Students

Dr. Sereyrath Em

MA (TESOL, Education, MBA) PhD (Education)

Founder and Editor-in-Chief of the Cambodian Journal of
Educational and Social Sciences (CJESS)

(<https://ejournal.educationalfields.com/index.php/CJESS>)

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The Speaker

Sereyrath Em (PhD) is a Cambodian government teacher of English, a university lecturer, and an educational researcher with 18 years of experience in teaching, instructing, and lecturing. He currently serves as an Editor at the *Cambodian Journal of Educational Research* (CJER) and is the Founder and Editor-in-Chief of the *Cambodian Journal of Educational and Social Sciences* (CJESS). He also serves as a reviewer for many well-known journals and publishers such as Cogent Education, Frontiers, MDPI, Taylor & Francis, and Palgrave Macmillan, among other Scopus-indexed outlets. So far, he has published around 100 articles in highly reputable journals.

E-mail: sereyrathem.edu@gmail.com



Introduction

In the context of academics, the term “research” refers to an organized process of inquiry that is conducted with the purpose of generating new information, validating current theories, or finding solutions to specific problems by employing procedures that are well-defined. To provide a response to a question or to investigate a hypothesis in a scholarly manner, the process entails collecting, analyzing, and interpreting material.



Introduction (Cont.)

For several different reasons, research is an essential component of higher education instruction. Not only does it inspire curiosity and inventiveness, but it also helps to cultivate critical thinking. Through research, universities make significant contributions to the growth of knowledge in various fields, have an impact on the formulation of public policy, and provide solutions to issues that are encountered in the real world. Not only does it enhance the institution's reputation, but it also contributes to the nation's development by offering evidence-based answers.

Introduction (Cont.)

Undergraduate students can accomplish multiple goals by participating in research. It gives students the opportunity to gain practical experience in inquiry-based learning, improves their academic and professional skills, and motivates them to pursue future positions in research-based enterprises or academic institutions. In addition, participation in research studies at an early age encourages independent learning, increases self-assurance, and fosters a more profound comprehension of the material covered in the course outside of the classroom.

Summary

Definition of Research in the Academic Context	Research is a systematic process of inquiry aimed at generating new knowledge, validating theories, or solving problems using established methodologies.
Importance of Research in Higher Education	Research promotes critical thinking, supports innovation, advances knowledge, informs policy, enhances institutional reputation, and contributes to national development.
Purpose of Involving Undergraduate Students in Research	It develops inquiry-based learning, improves academic and professional skills, encourages independent thinking, builds confidence, and fosters deeper understanding of content.

The Importance of Research

Academic Benefits

✓ Enhances Critical Thinking and Analytical Skills

Engaging in research trains students and scholars to think critically and examine issues from multiple perspectives. It helps them to question assumptions, identify biases, and evaluate the reliability and validity of information. As researchers analyze data, compare theories, and draw conclusions, they develop stronger reasoning and problem-solving abilities, which are essential for academic and professional success.



Academic Benefits (Cont.)

✓Strengthens Academic Writing and Communication

Research requires the organization and presentation of findings in a structured and scholarly manner. Through writing literature reviews, reports, and academic papers, students improve their ability to express complex ideas clearly and coherently. It also enhances their citation and referencing skills, enabling them to engage responsibly with the work of others and contribute meaningfully to academic discourse.

Academic Benefits (Cont.)

✓ Deepens Understanding of Subject Matter

Conducting research allows learners to move beyond surface-level understanding. It immerses them in an in-depth exploration of specific topics, which reinforces classroom learning and helps them apply theoretical knowledge to real-world problems. This deeper engagement with content not only increases subject mastery but also prepares them for higher-level studies or specialized careers.

Academic Benefits (Cont.)

✓ Encourages Intellectual Curiosity and Independent Learning

Research fosters a culture of curiosity by motivating students to ask meaningful questions and seek evidence-based answers. It promotes a self-directed approach to learning, where students take responsibility for exploring topics of interest, setting objectives, and managing their time and resources. This independence builds lifelong learning skills that are valuable in any field.

Professional Development

✓ Develops Problem-Solving and Decision-Making Abilities

Research requires identifying problems, formulating questions, designing methods, and interpreting results—all of which involve critical problem-solving skills. Researchers must make informed decisions at every stage of the process, from selecting a topic to concluding findings. This experience trains individuals to think strategically and respond effectively to challenges in professional environments.



Professional Development (Cont.)

✓ Builds Transferable Skills (e.g., Time Management, Teamwork, Data Analysis)

Participating in research equips students with a wide range of transferable skills that are valuable in almost any career. These include managing time effectively to meet deadlines, collaborating with peers and supervisors, collecting and analyzing data, using technology and software tools, and presenting information clearly. These practical skills increase one's readiness for complex work tasks beyond academia.

Professional Development (Cont.)

✓ Prepares Students for Future Careers or Graduate Studies

Research involvement provides students with real-world experience in inquiry and investigation, which is highly beneficial for advanced academic pursuits or professional fields. It strengthens applications for graduate programs and shows commitment to academic excellence. In the workplace, research experience demonstrates initiative, analytical thinking, and the ability to work independently — all of which are sought-after qualities.

Professional Development (Cont.)

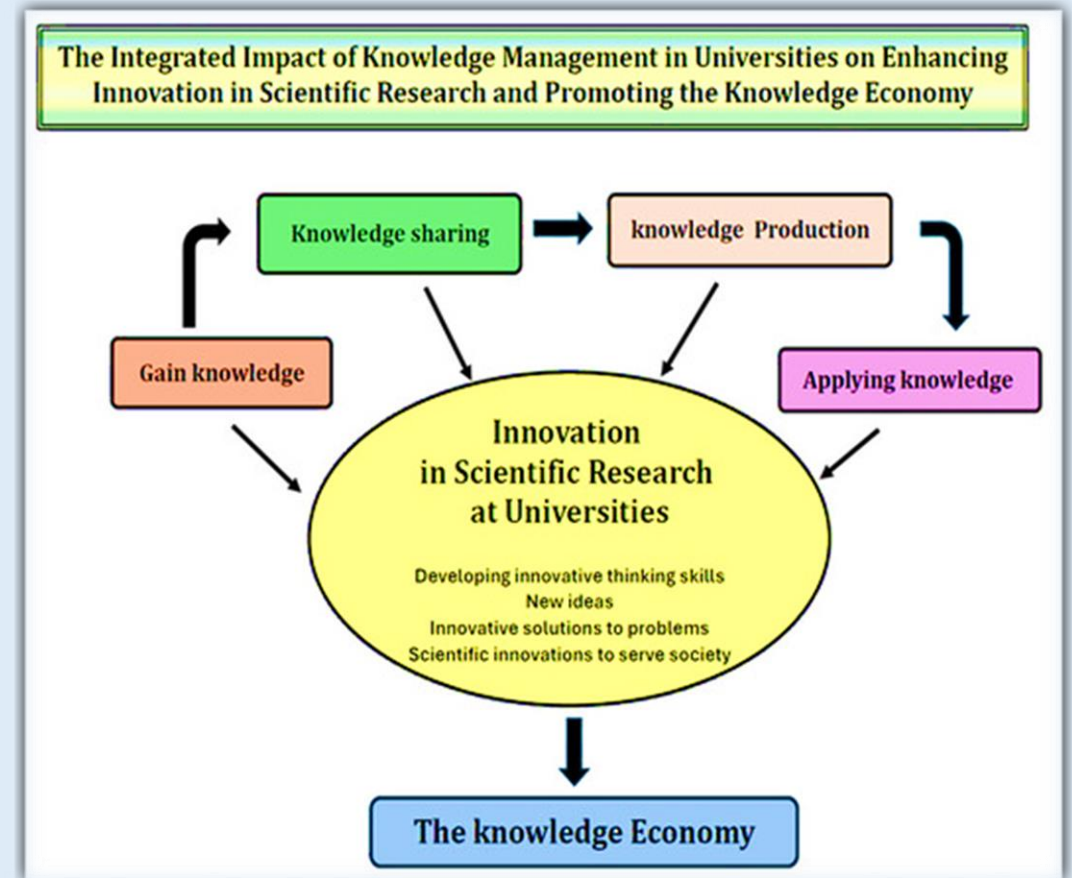
✓Increases Employability and Competitiveness in the Job Market

Employers often look for candidates who are not only knowledgeable but also capable of conducting research, analyzing situations, and generating solutions. Students who have engaged in research projects are more likely to stand out because they have developed the ability to learn independently, manage complex tasks, and contribute fresh insights. This makes them more attractive and competitive in both local and international job markets.

Contribution to Knowledge

✓ Encourages Students to Identify and Address Real-World Issues

Research encourages students to move beyond textbook knowledge by exploring and understanding real-life problems. It pushes them to ask meaningful questions, investigate pressing social, economic, or environmental issues, and propose practical or theoretical solutions. By doing so, students connect academic learning to the broader needs of society and become active contributors to positive change.



Contribution to Knowledge (Cont.)

✓Promotes Innovation and Creativity

The process of conducting research often leads to the discovery of new ideas, methods, or perspectives. Students are encouraged to think creatively, explore novel approaches, and challenge traditional assumptions. This fosters innovation and drives progress not only within academia but also in industries, technologies, and community development.

Contribution to Knowledge (Cont.)

✓ Enables Students to Contribute Original Ideas to Their Field of Study

Through independent inquiry, students can generate new knowledge or offer fresh interpretations of existing theories and data. Whether by uncovering unexplored topics, providing new evidence, or refining current models, research empowers students to participate in the academic conversation and leave a lasting impact on their discipline. Their findings may influence future research, policy, or practice.

Personal Growth

✓ Fosters a Sense of Accomplishment and Confidence

Successfully completing a research project—whether large or small—gives individuals a strong sense of achievement. The process of setting goals, overcoming obstacles, and reaching meaningful conclusions builds self-confidence. As students and researchers see their efforts yield tangible outcomes, such as a thesis, presentation, or publication, they develop pride in their intellectual capabilities and become more motivated to tackle future challenges.



Personal Growth (Cont.)

✓ Promotes Ethical Awareness and Responsibility in Knowledge Production

Research teaches individuals to conduct investigations with integrity. It involves understanding ethical standards such as avoiding plagiarism, ensuring informed consent in human studies, and reporting data honestly. This experience nurtures a strong sense of responsibility and ethical awareness, helping learners become more conscientious in both academic and everyday decision-making.

Personal Growth (Cont.)

✓ Encourages Lifelong Learning Habits

The curiosity-driven nature of research promotes an enduring interest in learning. Researchers constantly seek to explore new topics, update their knowledge, and stay informed about developments in their field. This habit of continuous inquiry contributes to lifelong personal and intellectual development, preparing individuals to adapt and thrive in an ever-changing world.

Institutional and Societal Impact

✓ Supports the University's Mission of Generating and Disseminating Knowledge

Research is central to a university's core mission. When students and faculty engage in research, they contribute to the creation of new knowledge, which is shared through publications, conferences, and public engagement. This reinforces the institution's role as a hub of knowledge and innovation.



Institutional and Societal Impact (Cont.)

✓ Strengthens the Academic Reputation of the Institution

High-quality research outputs improve an institution's standing in national and global rankings. It attracts funding, builds partnerships, and draws in talented students and staff. A strong research culture also leads to academic recognition, making the university a leader in education and inquiry.

Institutional and Societal Impact (Cont.)

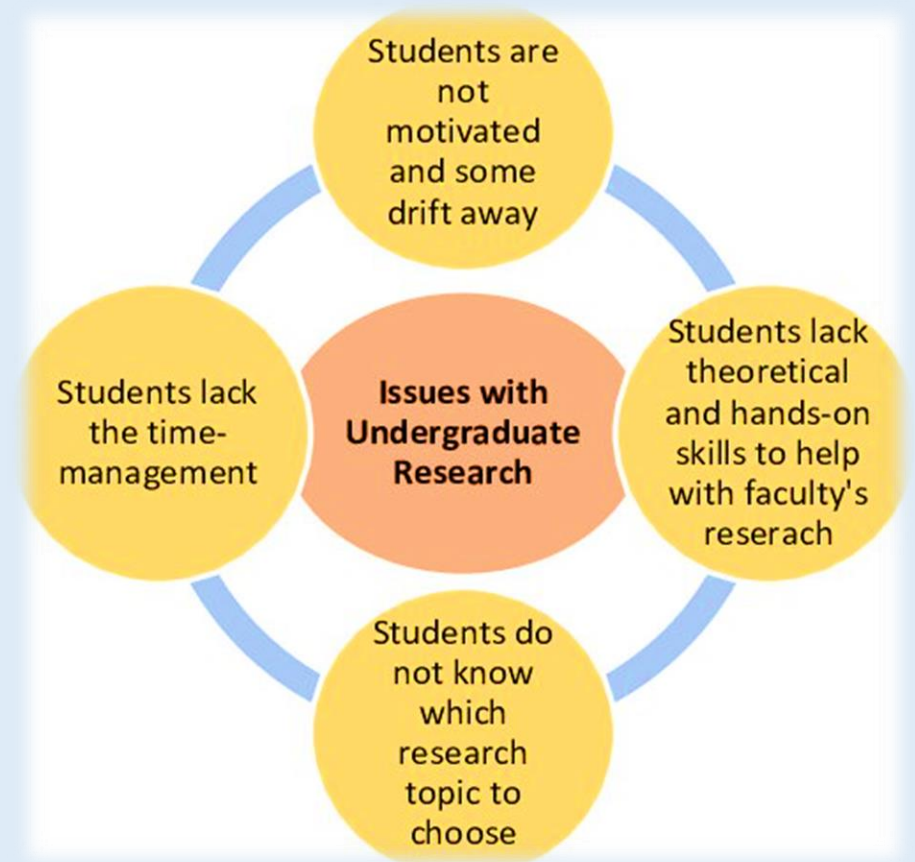
✓ **Contributes to National Development Through Evidence-Based Inquiry**

Research provides data and insights that help inform policy, improve public services, and support sustainable development. In fields such as education, health, agriculture, and the environment, academic research addresses pressing national challenges and provides evidence-based solutions that benefit society as a whole.

Challenges and Recommendations

✓ Lack of Guidance

Many students and early-career researchers struggle due to insufficient supervision or a lack of access to experienced mentors. Without proper direction, they may find it difficult to formulate research questions, design appropriate methodologies, or interpret results confidently.



Challenges and Recommendations (Cont.)

✓ Limited Resources

Access to essential resources—such as libraries, academic journals, data collection tools, and software—is often limited, especially in developing or underfunded institutions. This hampers the quality and scope of research activities.

Challenges and Recommendations (Cont.)

✓ Low Motivation and Confidence

Students may feel overwhelmed by the complexity of research or lack confidence in their academic skills. Without encouragement or a clear sense of purpose, they may disengage or fail to complete their projects.

Challenges and Recommendations (Cont.)

✓Mentorship Programs

Institutions should implement structured mentorship systems where experienced faculty or researchers guide students through the research process. Mentors can offer practical advice, emotional support, and constructive feedback.



Challenges and Recommendations (Cont.)

✓Capacity-Building Workshops

Offering regular training on research skills—such as academic writing, data analysis, ethical practices, and publication—can build competence and confidence among students and staff.

Challenges and Recommendations (Cont.)

✓ Research Funding and Resource Support

Providing access to research grants, scholarships, and institutional funds can reduce financial barriers. Universities should also invest in digital libraries, databases, and research infrastructure to support scholarly work.

Challenges and Recommendations (Cont.)

✓Creating a Supportive Research Environment

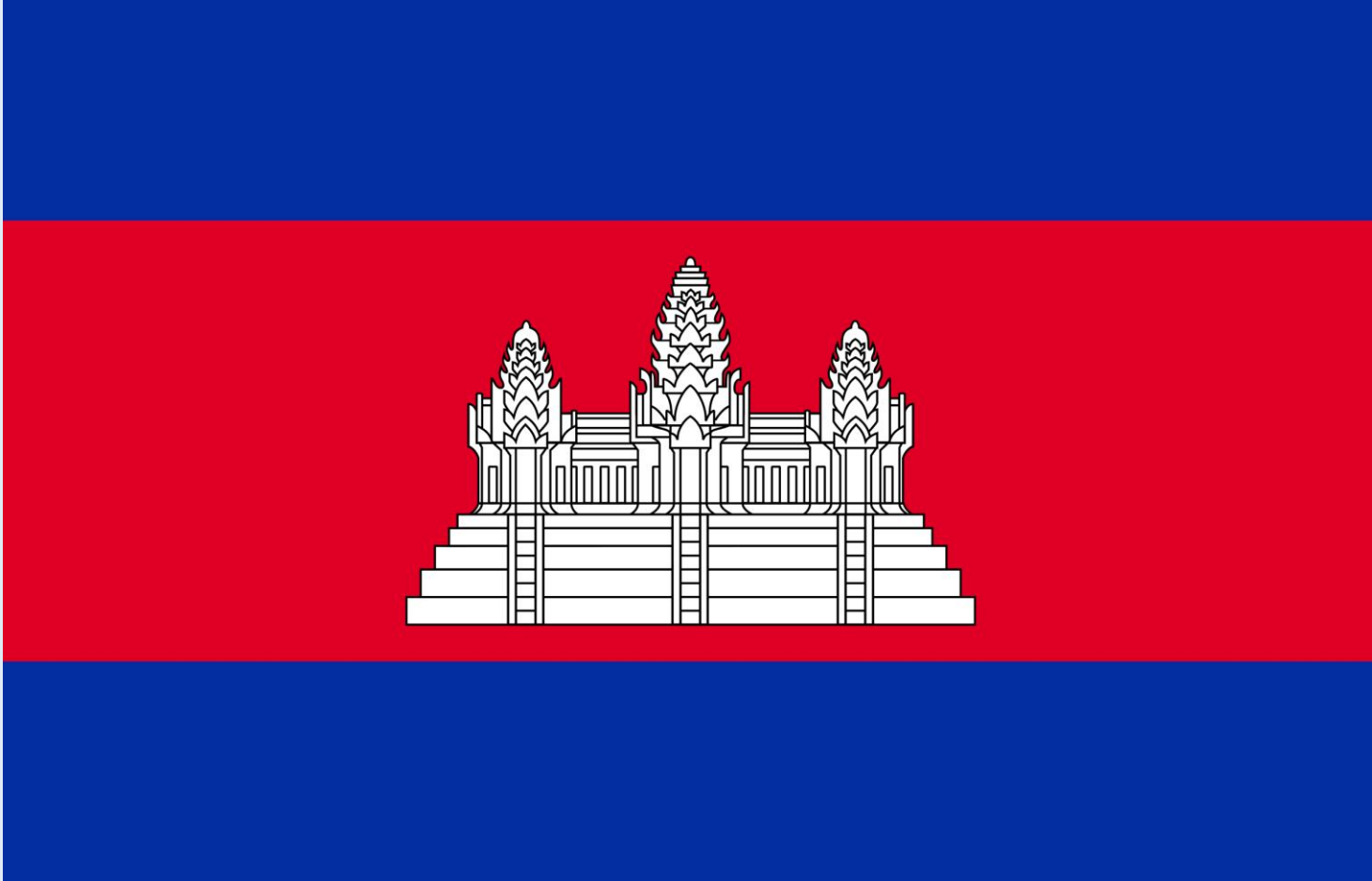
Encouraging a research culture—through conferences, journals, research days, and student presentations—fosters engagement and motivation. Recognizing and rewarding research achievements also inspires others to participate.

Summary

Category	Key Points
Academic Benefits	Enhances critical thinking and analytical skills -Strengthens academic writing and communication -Deepens subject understanding -Encourages intellectual curiosity and independent learning
Professional Development	- Develops problem-solving and decision-making skills -Builds transferable skills (e.g., time management, data analysis) - Prepares for careers or graduate study -Increases employability
Contribution to Knowledge	Addresses real-world issues - Promotes innovation and creativity - Contributes original ideas to the field of study
Personal Growth	Builds confidence and a sense of achievement - Promotes ethical responsibility, Encourages lifelong learning habits
Institutional & Societal Impact	Supports the university's mission - Enhances institutional reputation - Contributes to national development via evidence-based research
Common Challenges	Lack of guidance - Limited resources - Low motivation and confidence
Recommendations	Establish mentorship programs - Organize research skill workshops - Provide funding and access to resources - Foster a supportive research culture

Further Reading

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Q & A

Contacts

Email: sereyrathem.edu@gmail.com

WhatsApp ID: +85592571902

WeChat ID: wxid_mq5gb0zq54a022