

Group B 8th / Research and Development

▼ General

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▼ Introduction to R&D

In the first session of research and development, we delved into three pivotal topics that set the foundation for our exploration.

Firstly, we extensively discussed the concept of learning outcomes, emphasizing their crucial role in shaping educational experiences and assessing student progress. Understanding and defining clear learning outcomes enable us to align our efforts towards specific goals and foster effective teaching strategies.

Secondly, we examined the intricate linkages between the Bologna process, pedagogy, and the research and development module. Recognizing the Bologna process as a framework for harmonizing higher education systems, we explored how pedagogical practices intertwine with research and development endeavors to enhance educational quality, innovation, and collaboration.

Lastly, we explored the renowned Finnish model of research, which has garnered international acclaim for its focus on evidence-based practices, collaborative research environments, and a strong connection between academia and industry.

By studying these three vital topics, we gained valuable insights that will guide our research and development endeavors to drive meaningful educational advancements.

The link of 1st session elements:

<https://drive.google.com/drive/folders/1gQqq6Q79yjET8d2bprU0RciMtvXgW7co?usp=sharing>

ASSIGNMENT

[ASSIGNMENT: Research plan](#)

Opened: Wednesday, 2 August 2023, 12:00 AM

Due: Wednesday, 9 August 2023, 12:00 AM

▼ Academic Journals

During the second session, our focus was on the vital components of journal publication.

1. We looked into the importance of a proficient journal staff who plays a pivotal role in ensuring the quality and credibility of published articles.
2. We explored the different types of article reviewing processes, including single-blind, double-blind, and open review, highlighting their respective advantages and drawbacks.
3. Moreover, we discussed the various types of journals commonly encountered, such as fake journals, which lack credibility and peer-review processes, local journals that cater to specific regions or languages, Scopus-indexed journals that have met rigorous indexing criteria, and impact factor journals that have achieved significant recognition within the academic community.

By examining these different journal types, we aim to provide a comprehensive understanding of the publishing landscape and equip participants with the knowledge needed to navigate and contribute to scholarly research effectively.

The elements of the second session:

https://drive.google.com/drive/folders/1DXCjyprnNesZnEe3kNctva5liLr5i-YI?usp=drive_link

ASSIGNMENT
[KWL-Journals](#)

Mark as done

Opened: Wednesday, 16 August 2023, 12:00 AM
Due: Friday, 18 August 2023, 12:00 AM

✓ Writing

In the third session, we will delve into the essential aspects of the research cycle and the key steps involved in writing a research article.

Understanding the research cycle is crucial as it provides a structured framework for conducting scientific investigations. The cycle typically involves identifying a research question, conducting literature reviews, designing and implementing experiments or studies, analyzing data, and drawing conclusions.

Before writing, it is important to gather and organize your thoughts, outline your article, and clearly define the objectives, methods, and results of your research.

The writing process itself entails crafting a well-structured introduction, methods, results, and discussion sections, while ensuring clarity and coherence throughout.

Lastly, after thoroughly revising and proofreading your article, it is time for submission. This involves selecting an appropriate journal, adhering to their guidelines, and preparing a cover letter.

By understanding these steps, you will be better equipped to produce high-quality research articles that contribute to the advancement of knowledge in your respective fields.

<https://researcheracademy.elsevier.com>

<https://www.springernature.com/gp/authors/campaigns/writing-a-manuscript>

<https://journals.ieeeauthorcenter.ieee.org/become-an-ieee-journal-author/video-tutorials/>

<https://www.researcher-app.com/>

<https://www.medrxiv.org/>

<https://chemrxiv.org/>

<https://www.biorxiv.org/>

<https://www.techrxiv.org/>

The third session element's link:

https://drive.google.com/drive/folders/1N_n83JXMzdpGwCMok6PfoHybT_6xceu?usp=sharing

ASSIGNMENT

[Journal finding](#)

Mark as done

Opened: Wednesday, 16 August 2023, 12:00 AM

Due: Saturday, 19 August 2023, 12:00 AM

✓ Submission

In this session, we extensively covered the sequential steps involved in the process of submitting articles via an [editorial manager](#) system. We began by delving into the initial phase of manuscript preparation, emphasizing the significance of adhering to the specific guidelines outlined by the journal. Subsequently, we navigated through the intricate procedure of creating an author account within the [editorial manager](#) system, elucidating the importance of accurately inputting personal and contact information. The session further explored the pivotal role of selecting appropriate keywords and categorizations to ensure precise indexing and optimal visibility. An in-depth walkthrough of the file upload process followed, coupled with insights into file formats, sizes, and compatibility. Furthermore, we dissected the peer review process, shedding light on its significance and the potential outcomes an article might face. Overall, this session not only demystified the multifaceted pathway of article submission but also underscored the critical need for attention to detail and adherence to journal-specific guidelines for a successful submission experience through an [editorial manager](#) system.

FILE

[Editorial manager](#)

Mark as done

✓ The importance of research

During this session, we thoroughly explored three key focal points that hold immense significance in the realm of research and development.

Firstly, we delved into the pivotal role of research and development, highlighting its crucial contribution to technological advancement, innovation, and societal progress.

The session further scrutinized the second point, encompassing the substantial financial investments dedicated to R&D by both governmental bodies and the private sector. We examined the intricate interplay between these entities and their funding allocations, shedding light on how these investments shape the landscape of scientific exploration and technological breakthroughs.

Lastly, the session culminated with a comprehensive discussion on the art of crafting impactful research and grant proposals. Participants gained insights into the essential components, strategies, and techniques required to effectively communicate research ideas and secure vital funding.

Collectively, these three focal points provided participants with a holistic understanding of the critical importance of R&D, the financial underpinnings that drive it, and the essential skills to propel it forward through well-crafted proposals.

<http://www.webometrics.info/en>

<http://www.shanghairanking.com/>

<https://www.topuniversities.com/university-rankings/world-university-rankings/2020>

<https://www.reuters.com/article/us-amers-reuters-ranking-innovative-univ/reuters-top-100-the-worlds-most-innovative-universities-2018-idUSKCN1ML0AZ>

<https://www.heeact.edu.tw/en/>

<https://www.scimagoir.com/methodology.php>

SCHOLARSHIP:

<https://www.daad-iraq.org/en/find-funding/scholarship-database/>

<https://www.amideast.org/iraq/find-a-scholarship>

<https://www.birmingham.ac.uk/international/students/country/iraq/schols-iraq.aspx>

<https://www.wemakescholars.com/scholarships-for-iraqi-students-to-study-in-canada>

<https://www.scholarshipsads.com/category/tags/iraq/>

<https://www.scholars4dev.com/tag/scholarships-for-iraq/>

<https://www.scholarshipportal.com/scholarships/iraq>

<https://www.chevening.org/scholarship/iraq/>

GRANTS:

<https://ibro.org/middle-east-north-africa/>

<https://sjoseph.ucdavis.edu/foundations-supporting-research-middle-east>

<https://www.pfizer.com/purpose/independent-grants/competitive-grants>

<https://www.studyinholland.nl/finances/mena-scholarship-programme-msp>

https://stiiraqdev.wordpress.com/2013/12/19/research-funding-in-iraq/?blogsub=confirmed#blog_subscription-2

▼ Final project

ASSIGNMENT

[Final project](#)

Mark as done

Opened: Monday, 21 August 2023, 12:00 AM

Due: Tuesday, 29 August 2023, 12:00 AM