



Interdisciplinary and Multidisciplinary Approaches in H E

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Abstract:

This topic aims to give a vivid description of the relation between Interdisciplinary and Multidisciplinary Approaches in Higher Education. In higher education now a days there is a major need in changes along with adding multidisciplinary courses like Performing arts- music, dance and drama along with other art forms which may include art, craft, sculpture along with various practical skills which helps in developing critical thinking, preparing them to take diverse courses for career development and also includes vocational courses like skill development and computer education. Mainly multi discipline includes multiple courses or subject areas beyond single and regular based learning. Whereas if talking about interdisciplinary then it can be said that it focused on interconnection of materials or information of various concepts bringing in the connection with various other methods, perspectives, topics and creating a more holistic understanding, moving beyond single subject. This topic has included the idea of how multi and inter disciplines can change the curriculum structures and helps in developing various skill based curriculum which led to the growth of various inter courses and connection with those like including cross- cultural studies, learning new languages which helps in gaining knowledge about various cultures and now a days as new generations are unable to get in touch with their own culture that is why it is very necessary to give the knowledge of their own culture and study their own mother tongue language because the language education starts from when a child is in mother's womb and listen to the outer sounds and which led to the knowledge of language and expressing their thoughts and understanding their own language. Thus, it is necessary to include inter and multi-disciplinary courses in the curriculum for advanced learning and better career options.

Keywords: *Inter Discipline, Multi-Discipline, Culture, Higher Education, Career.*

Introduction:

This aforesaid topic is a mixture of two disciplines that is multi-disciplinary approaches and interdisciplinary approaches which is now a days very important for career development and skill development and to communicate with advanced technologies and with other countries.



Here, this picture is a proof how these disciplines can be added to the curriculum by adding historical perspective, geographical perspective, political and technological perspectives, which shows how all these disciplines are strongly related to various other disciplines which may help in future career improvements. In higher education multidisciplinary means looking at a topic from several subject viewpoints like history, sociology studying in a social science. While, interdisciplinary goes further by integrating concepts and methods from different fields to create a new, unified understanding or field like bioinformatics blending with biology and computer science. Multidisciplinary approach is a cross- disciplinary concept creating a connection among main subjects with other subjects which will be fruitful to others who don't want to take those subje

Literature Review:

1. Multidisciplinary Approach in Higher Education- Dr. Sudhanshu Bhushan, CEMCA, www.cemca.org

This book vividly describes the perspective on the inter- disciplinary approach related to the post modern approach of learning to a combination of multidisciplinary approach in higher education along with description of transdisciplinary, pluridisciplinary concept, multidisciplinary approach in international perspectives but as here, I need to give a review and find the gaps where the description of my topic is less and I find it hard to understand and little bit confused where it lacks to describe the topic in a simpler way.

2. Interdisciplinary Approaches in Management Education- Tanusree Chakraborty, Ramandeep Ssini, Rajiv Khosla, Nandita Mishra, Ashok Natarajan, Apple Academic Press-

This book has 16 chapters with various themes with understanding of interdisciplinary education, which will look forward to new education policy and a turning point for educators, forming a link for further skill development and options in careers. As, this is a big concept while giving review one gap for getting proper information although this book gives the proper information for these findings but still this topic lacks little bit proper information to write this topic.

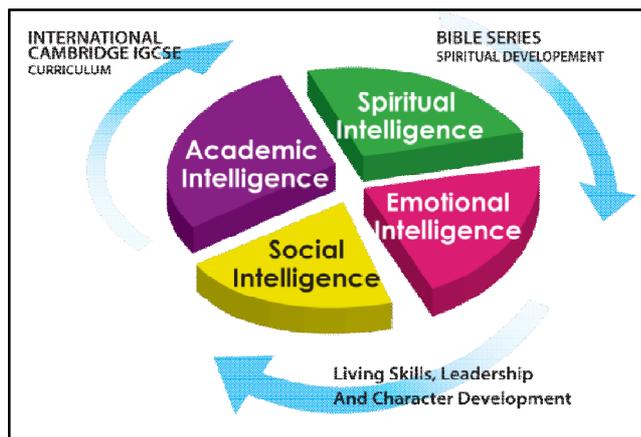
Objectives:

1. To study the multi- disciplinary subjects along with inter- disciplines.
2. To discuss the various concepts related to language study and cultural studies along with skill development programs for better future.

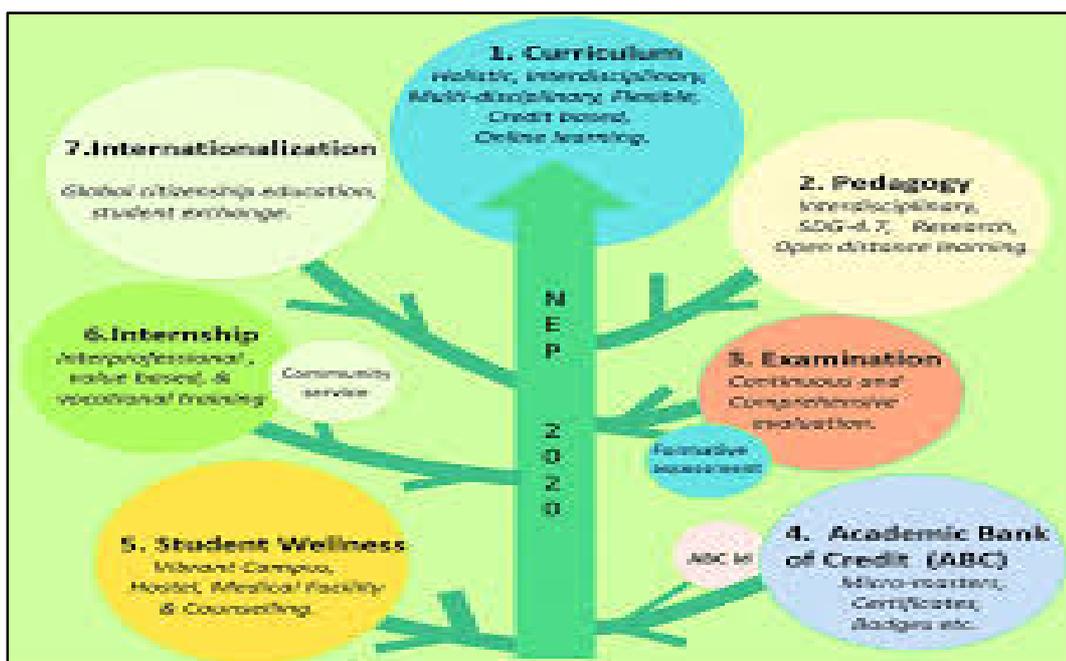
Methodology:

Here, mainly the sources are secondary by use of books, research papers, thesis, journals, magazines which gives the required information related to my study and findings.

Findings And Discussion:



Main point of discussion is given in this picture where academic intelligence, spiritual intelligence, social and emotional development is the main part for giving these courses in the multi and inter disciplinary curriculum. As, per demand the students lack proper training and they need be know the other subjects and their relations with their creative nature, problem solving and stress-free life with future options in career development and competing with new technologies. Though the concepts have already been introduced but now, it will be discussed thoroughly.



If this picture can be shown properly it shows the NEP 2020 rules and curriculum construction, internship, examination and others.

Difference Between Multidisciplinary And Interdisciplinary:

Multi disciplines are studied in relation to a common problem but each discipline retains its own methods and theories. Its main goal is to gain a boarder 360-degree view of a subject by seeing it through different lenses.

Whereas, inter disciplinary involves deep collaboration and integration of methods, theories and insights from various disciplines to form a new unified understanding or solution. Its goal is to create innovative knowledge and solve complex issues that single disciplines cant address alone.

Merits And Demerits:

Merits:

Multi is learning side by side whose merits are-

Broader understanding-

Connects ideas from different fields, preventing isolated learning.

Holistic view-

Offers a complete picture of complex topics by adding different disciplinary perspectives.

Real world relevance-

Mirrors how problems are solved in reality, requiring input from various areas.

Flexibility and choice-

Allows students to select diverse subjects fostering pragmatism and led to choices of various streams for future career development.

Demerits:

Lack of integration-

Disciplines remain distinct with little interaction but it requires proper knowledge and guidance to study.

Siloed thinking-

Can create a boundary between all subjects may led to total confusion if not taken seriously and proper teacher training is required.

Interdisciplinary-

Merit-

Deep integration-

Creates new insights by critically combining disciplines, leading to integrated knowledge for future development

Innovation-

Fosters higher order thinking, problem solving and innovation useful for complex issues.

Enhanced skills-

Develops critical thinking, communication and collaborative skills crucial for dynamic careers.

Demerits-

Integration challenges-

Difficult to find common ground and achieve true synthesis, and follow up problems.

Resource intensive-

Requires significant time, planning, and coordination among faculty but creates confusion also with lack of materials.

Institutional barriers:

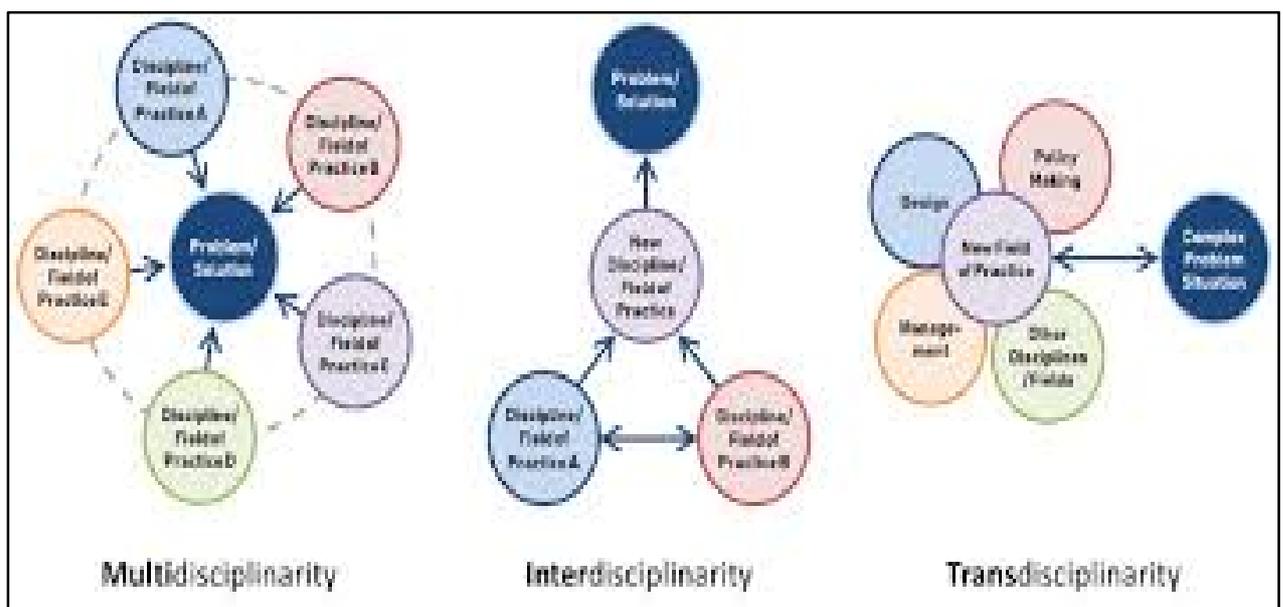
Universities struggle with disciplinary silos and resistance to structural change, according to those it creates a problem in communicating, like ITEP is anew course which has been added with 4 yr integrated course to join BA/ B.SC/ B.COM with B. ED which is helpful but still creates confusion and extra pressure for students.

Solutions:

Although solution may be proper teacher training programs along with curriculum construction, guidance and students with parents need to give an idea of the detailed course and aforesaid programs for choosing their own desirable subjects which is very important to understand for future development and improvement which can avoid further confusion and can continue these courses properly and in a simpler way which make these courses interesting and make the student eligible for further chances to study higher levels and continue their studies and fulfil their dreams and get their dream job and achieve passion which also helps in financial improvement.

Conclusion:

While discussing about this topic which is very important point of discussion now a days because these courses are in demand and it need be handled in care and with proper training.



Although here, three concepts has been described vividly but multi meaning many where various other subjects education been given as a part of future facilities, inter is related to various subjects related to one single subjects like social science includes economics, history and geography whereas, transdisciplinary is not defined here but it is also a part of small discussion because main discussion was about interdisciplinary approaches and multidisciplinary approaches but if talking about transdisciplinary subjects or In education integrates knowledge from multiple subjects and real world contexts to tackle complex problems, going beyond traditional subject boundaries to build holistic understanding and real- life skills, unlike interdisciplinary work which stays within academic fields.

References:

- Association of American Colleges and Universities, Association of American Colleges and Universities. (2015). *Integrative learning: Mapping the terrain*. AAC&U.
- American Journal of Social and Humanitarian Research, Maity, A. (2025). Teacher effectiveness in relation to ICT acquaintance among secondary teachers of Medinipur District of West Bengal: A study on demographic variables. *American Journal of Social and Humanitarian Research*, 6(5), 1108–1118. <https://globalresearchnetwork.us/index.php/ajshr/article/view/3641>
- Bharati International Journal of Multidisciplinary Research and Development, Majumder, R., & Bairagya, S. (2025). Attitude towards e-learning: A study on secondary school teachers. *Bharati International Journal of Multidisciplinary Research and Development*, 3(3), 80–88.
- Majumder, R., & Bairagya, S. (2025). Exploring teachers' perceptions on the provisions of NEP 2020 for teachers. *Bharati International Journal of Multidisciplinary Research and Development*, 3(3).
- Creating Interdisciplinarity: Interdisciplinary Research and Teaching among College and University Faculty, Lattuca, L. R. (2007). *Creating interdisciplinarity: Interdisciplinary research and teaching among college and university faculty*. Vanderbilt University Press.
- Educational Administration: Theory and Practice, Maity, A., Sanuar, S., & Ghosh, D. (2024). An assessment of the socio-economic status of the minority girls students at secondary level in Paschim Medinipur district of West Bengal. *Educational Administration: Theory and Practice*, 30(5), 9123–9127. <https://doi.org/10.53555/kuvey.v30i5.4522>
- Education India Journal, Roy, S., & Bairagya, S. (2019). Conceptualisation of pedagogical content knowledge (PCK) of science from Shulman's notion to Refined Consensus Model (RCM): A journey. *Education India Journal: A Quarterly Refereed Journal of Dialogues on Education*, 8(2), 55–59.
- Higher Education, Lyall, C., Meagher, L., Bruce, A., & Marsden, W. (2015). Interdisciplinary research journeys: Practical strategies for capturing creativity. *Higher Education*, 70(3), 479–493.
- Interdisciplinarity: History, Theory, and Practice, Klein, J. T. (1990). *Interdisciplinarity: History, theory, and practice*. Wayne State University Press.
- International Journal of Trend in Scientific Research and Development, Maity, A., et al. (2024). Exploring multidisciplinary perspectives of the National Education Policy (NEP) 2020: Implications

for education, society, and policy reform. *International Journal of Trend in Scientific Research and Development*, 8(5), 1303–1307.

- Journal for ReAttach Therapy and Developmental Diversities, Maity, A., et al. (2023). Correlation between study habit, test anxiety and academic achievement of the male and female B.Ed. college students. *Journal for ReAttach Therapy and Developmental Diversities*, 6(9s), 1872–1880. <https://doi.org/10.53555/jrtdd.v6i9s.2660>
- Journal of Pharmaceutical Negative Results, Maity, A., et al. (2023). Job satisfaction among secondary school teachers in Paschim Medinipur district in the present context. *Journal of Pharmaceutical Negative Results*, 14(3).
- Ministry of Education, Ministry of Education, Government of India. (2020). *National Education Policy 2020*. Government of India.
- Organisation for Economic Co-operation and Development, Organisation for Economic Co-operation and Development. (2019). *Supporting interdisciplinary research and education*. OECD Publishing.
- Research Evaluation, Rafols, I., Leydesdorff, L., O’Hare, A., Nightingale, P., & Stirling, A. (2012). How journal rankings can suppress interdisciplinary research. *Research Evaluation*, 21(3), 195–206.
- Studies in Higher Education, Spelt, E. J. H., Biemans, H. J. A., Tobi, H., Luning, P. A., & Mulder, M. (2009). Teaching and learning in interdisciplinary higher education: A systematic review. *Studies in Higher Education*, 34(4), 365–378.
- United Nations Educational, Scientific and Cultural Organization, United Nations Educational, Scientific and Cultural Organization. (2021). *Reimagining our futures together: A new social contract for education*. UNESCO.

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