



HSNC UNIVERSITY, MUMBAI

Kishinchand Chellaram College

Department of Life Sciences

Under the aegis of DBT Star Status

Presents

Q-RIUS LECTURE SERIES

LECTURE-03-2021-22



SCIENTIFIC REVIEW LITERATURE

'Understanding Review of Literature, a step ahead into research'

The Department of Life Sciences, K.C. College, HSNC University under the aegis of DBT Star Status, organized an informative and interesting session entitled '**Scientific Review Literature- Understanding Review of Literature, a step ahead into research**' as a part of the Q-rius Lecture Series dated 9th October, 2021 on the Zoom platform. The session was conducted by our esteemed resource person Dr. (Mrs.) Amruta Amit Kothare, Quality Analyst, Publication Support, Crimson Interactive Private Limited. The aim of this webinar was to make the students learn about the various aspects of Review of Literature which would provide them with knowledge and relevant tools to aid in their further research studies. Dr. Amruta thoroughly fulfilled the objective of this session with her phenomenal expertise in this discipline and elucidative explanations.

On 9th October, 2021, about 41 participants from the Department of Life Sciences attended the session, which included the second-year undergraduate students along with the faculty members of the department. The third session of Q-rius Lecture Series was inaugurated by Dr. Sagarika Damle, Head of Department of Life Sciences, Co-ordinator of DBT Star Status, K.C. College who warmly welcomed Dr. (Mrs.) Amruta Amit Kothare and the participants attending the session. Ma'am emphasized on the importance of literature review and mentioned that carrying out proper review of literature is known to build a good project proposal. Dr. Amruta Kothare commenced the session by briefly explaining the students, meaning of Literature Survey and what can be assumed as authentic sources for the same. Ma'am then went on to explain the characteristics of effective literature review such as outlining important research trends, assessing the strengths and weaknesses of previous researches, identifying potential gaps in knowledge and lastly, establishing a need for current and/or future research projects. Ma'am gave a general idea to the students that while performing review of literature, one needs to start with a strong and broad base i.e. skimming

all the background information relevant to the research topic and then steadily narrowing it down by only choosing the literatures that are directly related to the topic. Ma'am explained the various aspects of literature review for introduction and discussion comparatively. Ma'am then emphasized on the planning of literature review which includes identifying the main focus or specific problem that their particular research work would help to define. Ma'am briefly introduced the students to various types of literature review such as theory, methodology, policy, qualitative, quantitative, etc. Ma'am then in detail explained all the steps as well as the structure of literature review and also highlighted that one should always strive to maintain a balance of national and international literature sources while citing for the literature review. Furthermore, ma'am spoke about the significance of key words, annotations, types of literature and organized reading in literature review. Ma'am then went on to show students the live demonstration of applying Boolean logic while searching for the sources for review of literature.

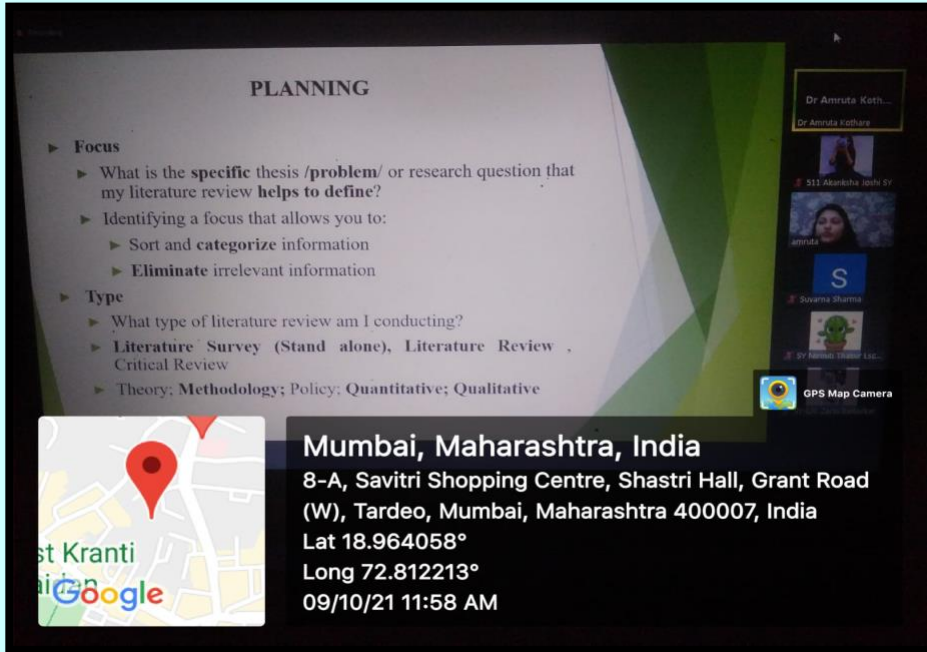
Furthermore, ma'am provided extensive information on the application of Artificial Intelligence (AI) in scientific literature review and suggested various platforms of AI that one can use to pace up their research work. Ma'am elaborated the talk on Artificial Intelligence by carrying out a live demonstration to make the students familiar with the basic steps of AI software and mentioned that AI helps to organize the research logic in a more better way. Ma'am also suggested various research topics to the students and provided a general idea regarding bibliography, types of literature resources, etc. Lastly, ma'am motivated the students to start their respective literature review with full attention and conviction along with positivity. Dr. Shalini Rai, Assistant Professor, Department of Life Sciences, K.C. College gave the concluding remarks and expressed her gratitude to Dr. Amruta for enlightening the students with her remarkable expertise. The webinar was concluded with a heartfelt vote of thanks by a student volunteer.

Feedback:-

The extensive knowledge and experience of the illustrious resource person not only stimulated student's interest in the field of research but also helped them understand the important characteristics of scientific literature review. The speaker with her noteworthy knowledge very concisely explained all the significant aspects of literature review in an extremely elucidative manner. The webinar as a whole was splendid as the speaker was an excellent orienteer and had keen knowledge of her work. The session was well organized and the information was effectively delivered. Many participants conveyed their gratitude along with the hope to attend more such empirical and elaborate session on this subject. Altogether, the session was a delightful investment of time and it was a great success.

PLANNING

- ▶ **Focus**
 - ▶ What is the **specific thesis /problem/** or research question that my literature review **helps to define**?
 - ▶ Identifying a focus that allows you to:
 - ▶ Sort and **categorize** information
 - ▶ **Eliminate** irrelevant information
- ▶ **Type**
 - ▶ What type of literature review am I conducting?
 - ▶ **Literature Survey** (Stand alone), **Literature Review**, **Critical Review**
 - ▶ Theory; **Methodology**; Policy; **Quantitative**; **Qualitative**

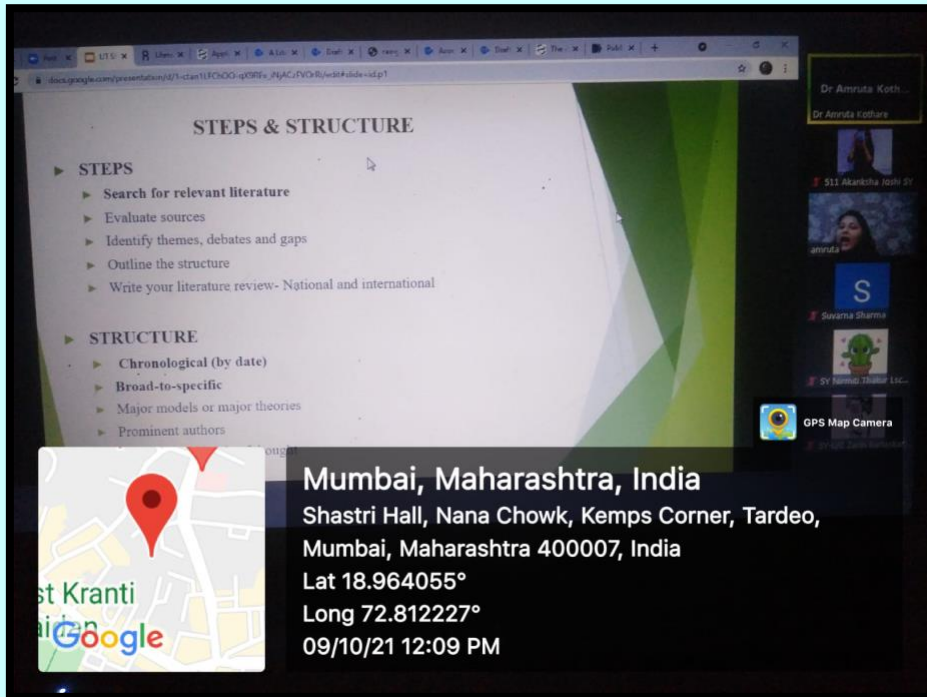


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Dr. Amruta
 providing an
 interesting talk on
LITERATURE REVIEW

STEPS & STRUCTURE

- ▶ **STEPS**
 - ▶ Search for relevant literature
 - ▶ Evaluate sources
 - ▶ Identify themes, debates and gaps
 - ▶ Outline the structure
 - ▶ Write your literature review- National and international
- ▶ **STRUCTURE**
 - ▶ Chronological (by date)
 - ▶ Broad-to-specific
 - ▶ Major models or major theories
 - ▶ Prominent authors



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