



PRESENTS
56th Fortnightly Workshop
on






DISCOVER YOUR PATH


CAREER EXPLORATION IN SCIENCE

By: Dr. Archana Singh (Principal Scientist)
Associate Professor (AcSIR)
Center for Advanced Radiation Shielding and Geopolymeric Materials
CSIR-Advanced Materials and Processes Research Institute, Bhopal

By: Dr. Paramita Das (Assistant Professor)
Department of Chemical Engineering
Indian Institute of Science Education and Research (IISER) Bhopal




For Students from Classes 9th to 12th
(Parents/Teachers can also Participate)







JOIN US

 **JULY 19TH,**
04:00 PM IST

 **zoom**  **LIVE STREAM** 

 www.kamp.org.in  **+91 - 8130757123**

KNOWLEDGE AND AWARENESS MAPPING PLATFORM

KNOWLEDGE SESSION 2024: EPISODE 56

Organized By: Knowledge & Awareness Mapping Platform (KAMP)
In Knowledge Alliance with CSIR -NIScPR and M/s NCPL

Topic: Career Exploration in Science: Discover Your Path

Category: Academic Development

Speakers/Presenters: Dr. Archana Singh and Dr. Paramita Das

Organized for: Students

Date: July, 19th, 2024

No. of Participants: 500+ Students from different schools across India

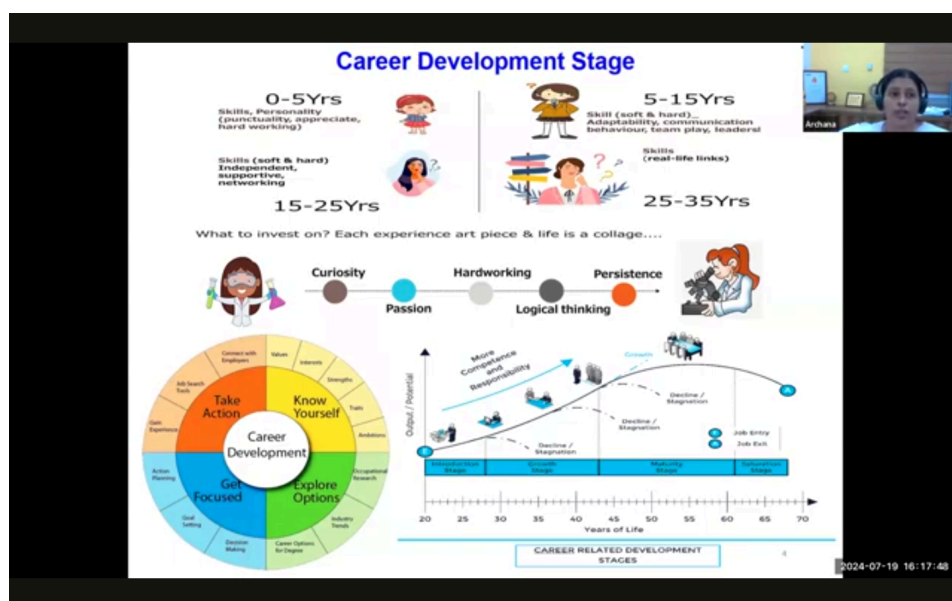
Overview:

On 19th July, KAMP successfully hosted its 56th Fortnightly Session titled **"Career Exploration in Science: Discover Your Path,"** specifically designed for students from grades 9th to 12th. The session aimed to offer valuable career guidance to young students aspiring to build futures in various fields of science. The event featured two highly accomplished speakers: Dr. Archana Singh, Principal Scientist at the CSIR-Advanced Materials and Processes Research Institute (AMPRI), and Dr. Paramita Das, Assistant Professor at the Indian Institute of Science Education and Research (IISER), both of whom brought a wealth of knowledge and experience to the discussion.

The session was centered around career opportunities in science, emphasizing how students can explore different scientific fields, the education pathways they

need to pursue, and the essential skills required to succeed. Both speakers shared personal experiences and expert advice, aimed at inspiring students to take early steps toward fulfilling careers in science.

Dr. Satanand Mishra, Principal Scientist and Jigyasa Coordinator at CSIR-AMPRI, Bhopal, opened the session by discussing the importance of science in today's world. He highlighted the crucial role played by CSIR (Council of Scientific and Industrial Research) laboratories in advancing research and innovation in India. Dr. Mishra also provided insights into the core research areas at AMPRI, which focus on the development of advanced materials and processes that have significant industrial applications. His talk offered students a glimpse into



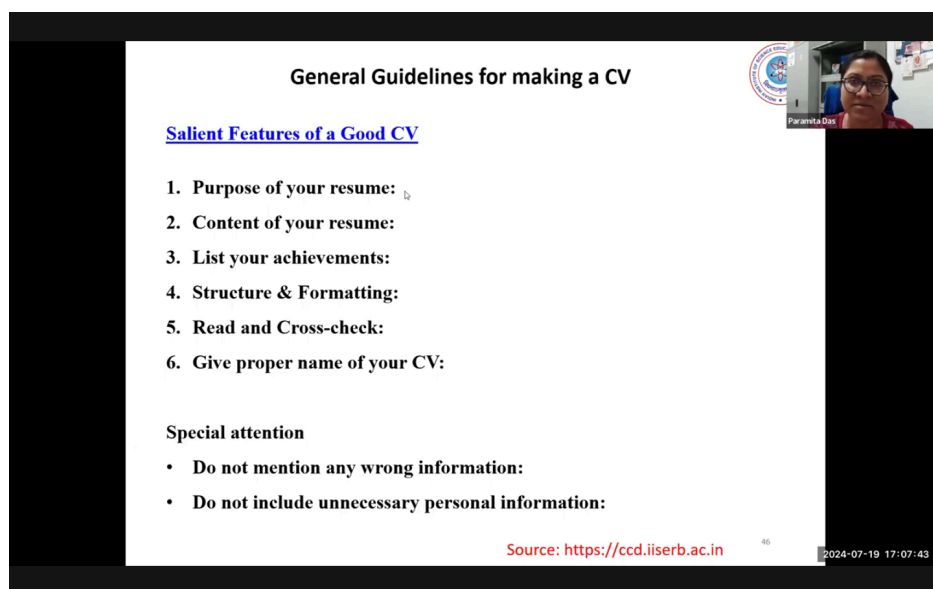
the exciting work being done in research labs and encouraged them to consider careers in scientific research.



Dr. Archana Singh further expanded on the topic by focusing on the stages of career development in science, from school to higher education and beyond. She addressed the career options available to students who choose science streams, both in PCM (Physics, Chemistry, Mathematics) and PCB (Physics, Chemistry, Biology). She also discussed how

students can enter scientific careers early, including through prestigious exams such as UPSC (Union Public Service Commission), which offers career paths in scientific administration and policymaking. Dr. Singh emphasized the importance of identifying post-PhD career opportunities and shared insights into the leading Indian institutes that offer exceptional education and research opportunities in science.

Dr. Paramita Das provided a detailed guide to students on the various fellowship opportunities available to them as they pursue higher education and research careers. She spoke about the importance of internships during undergraduate and graduate studies, offering general guidelines on how to build an impressive CV and conduct a successful job search. Dr. Das also gave advice on navigating post-PhD career prospects, encouraging students to stay informed about available resources and to strategically plan their professional journeys.



Overall, the session was highly informative and provided students with a comprehensive understanding of the steps they can take to build a successful career in science. By offering a blend of practical advice, personal experiences, and expert insights, the speakers effectively motivated students to engage with science at an early stage and take ownership of their career development. This session served as a valuable platform for fostering curiosity, ambition, and professional growth among young science enthusiasts.

KAMP's fortnightly workshops aim to help students develop creativity, meaningful learning, and critical reading and thinking skills, bringing out their inherent abilities. The vision of KAMP is to identify and capture the Scientific and Technological temperament in students, contributing to making India a Global Leader in the fields of science, technology, and the humanities.

These workshops, conducted by KAMP, cover various topics falling under the categories of science, technology, and innovation, Scientific and Life Skills, Career and Professional Development, Academic development, and training trainers and teachers.

KAMP believes that exposure to such topics from experts within specific fields helps students become aware of real-life situations and challenges, develop a problem-solving nature, understand their core values and personal interests, evaluate their skills within the given area, and achieve their best in their most desirable way.

Organized By:

Knowledge and Awareness Mapping Platform
(KAMP Operations and Coordination Office)

Team Credits:

Ms. Arika Mathur
(Member, KPMC)

Moderated By:

Mr. Aniket Arora
(Outreach Coordinator, KAMP)

