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A report on "Research Projects and Its Challenges"

Organized by	: Research & Development Cell
Event name	: Research Projects and Its Challenges
Name of the external	: Dr. Lingaraju Dumpala
Designation	: Professor
Topic	: Funding Proposals
Venue	: Seminar Hall, Visvesvaraya Bhavan
Date & Time	: 30-09-2023 (10:00AM to 1:00PM)
Conducted for	: All the Doctorates and Research Scholars
No. of Faculty Attended	: 76

S. No	Branch	No of Faculty Attended
1	CIVIL	6
2	EEE	4
3	MECH	12
4	ECE	15
5	CSE	12
6	IT	6
8	AIML	5
9	H&BS	16
Total No of Faculty Attended		76

Resource Person Profile

Dr. Lingaraju Dumpala
Associate Professor
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Email: dlraju@jntucek.ac.in.

Dr. Lingaraju is a highly accomplished academic and researcher with a strong background in Mechanical Engineering. They obtained their Ph.D. in Mechanical Engineering from Andhra University, Visakhapatnam, in 2011. With a rich academic journey, they have contributed significantly to the field through their research and teaching endeavors. He has held various academic positions, including Associate Professor at JNTUK, Kakinada, where they currently serve as the Associate Professor and Coordinator for FUR. They have also taken on leadership roles as the Head of the Department of PE&PCE and Nodal Officer for JNTUK Digital Financial Literacy.

His research portfolio is extensive, with notable projects such as their work on water quality in endemic kidney disease in coastal Srikakulam and the synthesis of engineering properties of metal matrix nanocomposites. They have received multiple grants and awards, including the DST

Young Scientist Award in 2013 and the AP State Best Teacher Award in 2023. Their prolific research output includes numerous publications in international journals and conferences, supervision of Ph.D. candidates, and the filing of Indian patents. He is a recognized figure in the field, evident from their substantial citation count, H-index, and contributions through expert talks and workshops. His dedication to both academia and research underscores their significant impact on Mechanical Engineering.

Report

A guest lecture is arranged by ACET-R&D Cell on 30-09-2023 (Saturday) from 10:00 AM to 1:00 PM at Visvesvaraya Bhavan Seminar Hall. Dr. Lingaraju has successfully completed several DST, AICTE and TEQIP-II projects as a principle investigator. He delivered a lecture on "Research Projects and Its Challenges". The doctorates and research scholars attended this program to enhance their knowledge of research funding.

He started the presentation and explained the funding statistics in various universities and colleges. He was given a few examples of barriers to not getting research funding. He explained institute and department-level SWOT analysis regarding funding proposals and administrative support. He suggested the best incentive policies and targeted timelines for the faculty to do effective research. He was explained how to write good project proposals in step by step, and he has given timelines.

Pre-Processing Stage: The pre-processing stage in research, initiated a year prior, involves critical steps. Researchers prioritize generating quality publications and attending relevant courses for knowledge enrichment. Thorough documentation and budget preparation are integral, ensuring financial readiness. Identifying suitable funding resources is crucial for project success. These measures lay a robust foundation for research endeavors.

Processing Stage: During the processing stage of a research project, key activities include obtaining quotations and tenders, securing approvals, procuring major equipment, installing and providing training, maintaining accounts, managing bills and auditing, conducting experimentation, and delivering presentations. This stage involves executing the practical aspects of the research project and ensuring financial and logistical efficiency.

Post-Processing Stage: In the post-processing stage, activities encompass project reviews, finalizing publications and patents, and preparing and submitting mandatory project documents. This phase involves wrapping up the research, disseminating findings, and fulfilling project obligations. He finally explained various schemes and opening calls from DST, AICTE, UGC, ISRO DRDO, etc. At the end of the session, faculty members interacted with the resource person, and he clarified doubts regarding funding proposals.

Overall Feedback from Faculty

The faculty commended Dr. Lingaraju for his exceptional expertise in formulating research funding proposals. His profound understanding of the subject matter and mastery of the intricacies of the research funding process were highly impressive and evident throughout his presentation. Dr. Lingaraju's outstanding engagement and interaction with the participants effectively conveyed the importance of proposal content and development. Moreover, he enriched the session by providing practical examples of drafted proposals, greatly benefiting the attending staff members. In summary, this guest lecture was particularly invaluable for doctoral candidates and research scholars accustomed to submitting proposals to funding agencies, offering invaluable insights and guidance in the intricate art of proposal writing.

Remarks from Resource Person
Dr. Linga Raju was satisfied with the well-organized event and interaction from the R&D department. He was also enthusiastic about the faculty's interest in writing the research funding proposals and interesting to collaborate with JNTUK Kakinada.
Photos

Coordinator   Dean Academics   Principal