Self SponseredShort Term Training Program (STTP)
On
Research Methodology: Tools and Techniques
September 5 – 9, 2022
(Online Mode)

Course Coordinator (s): **Dr. Ravi Kant and Dr. Dinesh Singh**

Organizing Department: Department of Mechanical Engineering,
Sardar Vallabhbhai National Institute of Technology, Surat,
Gujarat – 395007.

Introduction

The one-week short term training program on **Research Methodology: Tools and Techniques'** is scheduled to be held during **September 5 – 9, 2022**. These days' individuals talk of research, both in academic institutions, research organization and industries. There are several research studies undertaken and accomplished year-after-year. But in most cases very little attention is paid to an important dimension related to research, namely, that of research methodology.Research Methodology is a way to find out the result of a given problem on a specific matter or problem that is also referred as research problem. The researcher uses different criteria for solving/searching the given research problem. The different sources use different type of methods for solving the problem. The need, therefore, is for those concerned with research to pay due attention to designing and adhering to the appropriate methodology throughout for improving the quality of research.

Course Objectives

This programme is essential for enhancing the vision of faculty members by exposing them to contemporary research methodology and an opportunity to researchers to present the problems related to the methodology faced by them in their current work. It is essential for the research scholar/faculty members to know about the methodological requirements of research before selection of the research problem.

Course Content

- Introduction to Research Process and Research Methods
- Sampling Design and Sampling Fundamentals
- Research Problem and Research Design
- Data Analysis Techniques
- Hypothesis Testing- Parametric and Non Parametric
- Conducting the Literature Review to find a research problem
- Design of Experiments
- Multi Criteria Decision Making
- Report writing, preparation of slides and presentation
- Writing The Research Paper and Reviewer Compliance
- Time and Stress Management

Course Faculty	The eminent speakers from IITs/NITs and other reputed Institutes will be invited for vast revelation and knowledge enhancement.
Eligibility	The training program is open to various disciplines of engineering, management and polytechnic college teachers and research scholars. Teachers and research scholar with Mathematics and Science background form engineering, management and polytechnic colleges can also apply. The people from industry can also attend this course.
Registration And General Information	Applications for the participation for the course should reach in the attached format via **e-mail**: rmsvnit@gmail.com or **through Google Form link:** https://docs.google.com/forms/d/e/1FAIpQLSeevT0BunwuS24yGAvkSDnHwibd qG0Ku1RUbq0v6GeT75uhew/viewform Limited seats (**Maximum 60**) are available in this course. **The admission will be offered through fist come first serve basis.** The confirmation will be done immediately after the receiving of application through e-mail. **However, the last date of applyingto this course is August 31, 2022.**
About the Institute and Department	The institute was initially established as SardarVallabhbhai Regional College of Engineering &Technology in 1961 and elevated as a National Institute of Technology in October, 2002. It has been accorded the status of an Institute of National Importance vide NIT Act 2007. SVNIT is one of the pioneering engineering institutions of the country which has nurtured many outstanding engineers in India and abroad. Institute runs six UG programs, Nineteen PG programs, Ph.D. program in all disciplines of engineering and 5 years integrated M.Sc. programme in Chemistry, Mathematics and Physics. Established in 1961, the Department of Mechanical Engineering offers Under Graduate course in Mechanical Engineering and Post Graduate programs in Turbo-machines, CAD- CAM, Mechanical Engineering, Thermal System Design and Manufacturing Engineering.The department also offers Ph.D. programmes to promote basic research activities in the above mentioned areas.
Registration Fee	The registration fees for the program is as given below:

Academicians / Scientist / Researchers	1000+18%GST=1180
Students: Degree/PG/Ph.D./Science/Diploma/ITI	650+18%GST=767
Practicing engineers / Professionals	2500+18%GST=2950

The non-refundable registration fees should be paid only by online transfer in account of:
"**Director SVNIT-CCE**"
   A/C No: **37030749143**,
State Bank of India (SBI), SVRCET Branch Surat (Code: 03320)
IFSC: SBIN0003320

The payment receipt will be required to be submitted during the online registration. The confirmation to the selected applicant will be intimated within 2 days after due date.

QR Code of CCE Account:
https://www.svnit.ac.in/Data/cce/directorsvnitcce@sbi.pdf

REGISTRATION FORM
(Online Mode)
Self Sponsored
Short Term Training Programme
On
Research Methodology: Tools and Techniques September 5 – 9, 2022

Name: ……………………………………………………………………………..

Department: …………………………………………………………………………..

Organization:…………………………………………………………………………..

Designation: …………………………………………………………………………..

Qualification: …………………………………………………………………………..

Experience: …………………………………………………………………………..

Gender:…………………………………………………………………….....……

OfficeAddress:………………………………………………………………………

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Contact No: ……………………………………………………………………….....

Email: (1) …………………………………………..............@gmail.com

               (2)………………………………………………………………………

PAYMENT DETAIL:

Transaction details (NEFT/IMPS/RTGS receipt number) ………………………….

Amount: ……………..   Bank: …………………………………Date:……………….

Signature of the Applicant

Kindly attach institute ID card copy along with.