



**B.M.S. COLLEGE OF ENGINEERING, BENGALURU-19**

(Autonomous Institution Affiliated to VTU, Belgaum)

**One Day Workshop on**

**“Research Methodology and Publication Ethics”**

**on 18<sup>th</sup> April 2023**

**Organized by Department of Physics, Chemistry and Mathematics**

**Venue: Auditorium 2, Ground Floor, New Academic Block, BMSCE, Bengaluru**

**Report**

**OBJECTIVES:**

**At the end of this workshop, the Participants should be able to:**

- **understand some basic concepts of research and its methodologies**
- **identify appropriate research topics**
- **select and define appropriate research problem and parameters**
- **prepare and undertake a project proposal/thesis work**
- **organize and conduct research in a more appropriate manner**
- **write a research report/article/paper/thesis**
- **write a research proposal (research grants)**
- **review an article and submit the report (peer review process)**

**EVENTS:**

The function was presided by Dr. S. Muralidhara, Principal, BMSCE, guest of honour, Dr P Pal Pandian, Professor, Department of Mechanical and Automobile Engineering CHRIST (Deemed to be University) and conveners of the event Dr. M.V. Murugendrappa, HOD, Dept. of Physics, Dr.

M.S. Dharmaprakash,, HoD, Dept. of Chemistry and Dr. Veena Jawali, HoD, Dept. of Mathematics.

The session commenced with an invocation by Dr. Madhuri P, faculty Dept. of Chemistry. This was followed by the welcome address by Dr.Murugendrappa M V, and essence of what was planned to be imparted through the program was aptly briefed by Dr. M.S. Dharmaprakash. The Scope and objectives of the workshop was presented by Dr. Latha Kumari, workshop Coordinator. This was followed by Presidential address by Dr. S. Muralidhara who gave insight of Research methodology and Research ethics to participants and encouraged them to follow the ethics in research. The program concluded with vote of thanks by Dr. Veena Jawali, workshop convener.

The inaugural session was followed by a session I by Dr P Pal Pandian, Professor, Department of Mechanical and Automobile Engineering CHRIST (Deemed to be University), Bengaluru on the topic: "Writing and Publishing Scientific Research Articles in SCI Journals - A Framework" The lecture was very well articulated by the speaker which enabled the participants to comprehend the concepts of Writing and Publishing Scientific Research Articles in a better way. The session was more interactive kind and the participants could clear more of their doubts regarding choosing suitable journal for publishing their research work.

The session II commenced after the tea break by Dr. Ramesh Chandra Mallik, Associate Professor, Department of Physics, Indian Institute of Science on the topic " Research and Ethics". This session too continued with the same enthusiasm and active participation from the audiences and participants were enlightened on the issue of research ethics and its practice in the conduction of research.

Soon after the Lunch Break, session III commenced by Dr. K. Venkateswarlu, Senior Principal Scientist, Materials Science Division, CSIR – National Aerospace Laboratories on the topic " Know your facts on research methodology" The Participants gained thorough knowledge on the guidelines for research conduction, grants available under CSIR and other funding agencies. The session IV commenced by Dr. G.V. Jayaramaiah, Professor and Head, Department of Electrical and Electronics Engineering, Dr. Ambedkar Institute of Technology on the topic " Research

Methodology", which gave our participants clear idea on methodology of research work execution with emphasis on research ethics.

**BMSCE participants: 49**

**Outside participants: 24**

### **Photos**



**Inauguration**



**Presidential remarks by Dr. S. Muralidhara, Principal, BMSCE**



**Session I : Dr. Pal Pandian, CHRIST (Deemed to be University)**



**Session II: Dr. Venkateswarlu, Materials Division, CSIR-NAL**



**Session IV: G.V. Jayaramaiah, Dr. AIT**





**Participants of workshop**

## Workshop Brochure

<p style="text-align: center;"><b>B.M.S. College of Engineering</b> (An Autonomous Institution Affiliated to VTU)</p> <p style="text-align: center;"><b>Department of Physics, Chemistry and Mathematics</b></p> <p style="text-align: center;"><b>One Day Workshop on</b></p> <p style="text-align: center;"><b>Research Methodology and Publication Ethics</b></p> <p style="text-align: center;"><b>Date: 18-04-2023</b></p> <p><b>Registration Link:</b> <a href="https://docs.google.com/forms/d/1W-o1be1HTHGmFDWVSA32J0c9K04Y7Lgz_RrQo0LSucc/edit">https://docs.google.com/forms/d/1W-o1be1HTHGmFDWVSA32J0c9K04Y7Lgz_RrQo0LSucc/edit</a></p> <p><b>Workshop Objectives:</b> At the end of this workshop, the Participants should be able to:</p> <ul style="list-style-type: none"> <li>• understand some basic concepts of research and its methodologies</li> <li>• identify appropriate research topics</li> <li>• select and define appropriate research problem and parameters</li> <li>• prepare and undertake a project proposal/thesis work</li> <li>• organize and conduct research in a more appropriate manner</li> <li>• write a research report/article/paper/thesis</li> <li>• write a research proposal (research grants)</li> <li>• review an article and submit the report (peer review process)</li> </ul>	<p><b>Chief Patron</b> Dr. B. S. Ragini Narayan Donor Trustee, BMS Educational Trust Dr. P. Dayananda Pai Chairman, BMSCE and Life Trustee, BMSET</p> <p><b>Patrons</b> Dr. S. Muralidhara Principal, BMSCE Dr. Bheemsha Arya Vice-Principal (Admin), BMSCE Dr. Suresh Ramaswamyreddy Vice-Principal (Academic), BMSCE</p> <p><b>Conveners</b> Dr. M. V. Murugendrappa Head, Department of Physics, BMSCE Dr. M.S. Dharmaprakash Head, Department of Chemistry, BMSCE Dr. Veena Jawali Head, Department of Mathematics, BMSCE</p> <p><b>Co-ordinators</b> Dr. Latha Kumari, Assoc. Prof., Department of Physics Dr. K.L. Nagashree, Asst. Prof., Department of Chemistry Dr. Gayathri M.S, Asst. Prof., Department of Mathematics Dr. Gomathi P, Asst. Prof., Department of Mathematics Dr. C.S. Kaliprasad, Asst. Prof., Department of Physics Dr. Manjunatha S, Asst. Prof., Department of Chemistry</p> <p><b>Contact details:</b> Dr. Manjunatha S, Ph: 9663602831 E-mail: manjunathas.chem@bmsce.ac.in Mr. Uday Kumar M, Ph: 9590585800 E-Mail: udaykumarm@bmsce.ac.in</p>	<p><b>B.M.S. College of Engineering</b> (An Autonomous Institution Affiliated to VTU)</p> <p><b>ONE DAY WORKSHOP</b></p> <p><b>ON</b></p> <p><b>RESEARCH METHODOLOGY AND PUBLICATION ETHICS</b></p> <p><b>Date: 18-04-2023</b></p>  <p><i>Organized by</i> <b>Department of Physics, Chemistry and Mathematics</b> B.M.S. College of Engineering Bull Temple Road, Bengaluru-560019</p>
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<p style="text-align: center;"><b>About the Institution</b></p> <p>B.M.S. College of Engineering (BMSCE) was founded in the year 1946 by Late Sri. B. M. Sreenivasaiah a great visionary and philanthropist and nurtured by his illustrious son Late Sri. B. S. Narayan. BMSCE is the first private sector initiative in engineering education in India. BMSCE has completed 76 years of dedicated service in the field of Engineering Education. BMSCE today offers 17 Under Graduate &amp; 16 Post Graduate courses, both in conventional and emerging areas. At present, 15 Departments are recognized as Research Centers offering Ph.D./M.Sc. Engineering by Research in Science, Engineering, Architecture and Management. It is the First Institution in the state bestowed with NBA Accreditation in Tier I Format (Washington Accord). World Bank funded TEQIP Phase I, Phase II, and Phase III Institute, and Partner Institution of the Melton Foundation, USA, which advocates Global Citizenship with exchange of culture. BMSCE is an Autonomous Institute (UGC approved) since 2008. BMSCE has ranked 83rd in the NIRF Ranking 2022.</p>	<p>Applications and four Institutional elective courses for VII &amp; VIII semester B. E. students. Department faculties are involved in research and consultancy activities. They have received funding for conducting research from various external funding agencies such as DST, VGST, SERB etc. The department is VTU recognized research centre since 2011. The Department faculties are recognized as research supervisors under VTU and Mangalore University.</p> <p style="text-align: center;"><b>DEPARTMENT OF MATHEMATICS</b></p> <p>The department was established in the year 1946. The Department of Mathematics has highly qualified faculty involved actively in research. The department offers courses for both UG and PG Programs. The department is recognized as research centre by the VTU during 2004. The thrust areas of research of the department include Fluid Mechanics, Mathematical modelling, Integral transforms, Number theory and Graph theory. Based on the needs of various disciplines, the department is imparting the updated curriculum from time to time. With the available expertise, in addition to offering the core courses during the first four semesters of BE programs, is offering 5 electives at the institutional level during the third and fourth year of BE program.</p>	<p style="text-align: center;"><b>Resource persons</b></p> <p>The resource persons are eminent Academicians/Researchers/Professionals with in-depth knowledge of Research Methodology and Publication Ethics.</p>
<p style="text-align: center;"><b>About the Departments</b></p> <p style="text-align: center;"><b>DEPARTMENT OF PHYSICS</b></p> <p>The Physics Department at BMS College of Engineering was established in 1946. The vision of the department is to be a dynamic, inclusive and competitive centre of excellence in teaching, learning and research in Physics to ensure that the technical needs of students are addressed. The Department has well qualified, experienced and highly motivated faculties. The faculties of the Department teach Applied Physics course for I year B E students. Department faculties are involved in research and consultancy activities. They have received funding for conducting research from various external funding agencies such as DST, VGST, BARC etc. The department is VTU recognized research centre since 2011.</p> <p style="text-align: center;"><b>DEPARTMENT OF CHEMISTRY</b></p> <p>The Chemistry Department at BMS College of Engineering was established in 1946. The Department has well qualified, experienced and highly motivated faculty members. The faculties of the Department teach Applied Chemistry, Materials Chemistry and its</p>	<p style="text-align: center;"><b>Scope of the Workshop</b></p> <p>Academicians and Researchers across the Globe are facing pivotal challenge in sustaining the quality of research particularly in Quantitative and Qualitative Research methodology, data collection, data analysis, usage of research software for analysis of data and data reporting. The workshop focuses at providing a platform for young researchers to get insight of Research methodology and publications ethics which are indeed need of the hour. It is the demand of the Research community and budding researchers to receive in depth knowledge of Research methodology starting from selecting the research topic to finally report writing along with better knowledge of ethics of interactive research skills. The overall aim of the workshop is to help the participants to evolve as independent researchers with profound knowledge of Research methodology and ethics. The workshop is interdisciplinary in nature and caters to the requirements of faculties and research scholars of all branches of Science and Engineering.</p>	<p style="text-align: center;"><b>Schedule of the Workshop</b></p> <p>9.30 AM - 10.00 AM: Registration  10.00 AM - 10.45 AM: Inauguration  10.45 AM - 12.00 Noon: Session 1  12.00 Noon - 12.15 PM: Tea break  12.15 - 1.30 PM: Session 2  1.30 - 2.15 PM: Lunch  2.15 - 3.30 PM: Session 3  3.30 - 4.15 PM: Session 4  4.15-4.45 PM: Valedictory</p> <p style="text-align: center;"><b>Target Participants:</b>  Teachers, Research scholars and students interested in Research Methodology and Publication Ethics</p> <p style="text-align: center;"><b>How to apply</b>  Online Registration form to be filled and submitted.</p> <p style="text-align: center;"><b>Important date</b>  Last date for registration: 15-04-2023</p>

## Participant Certificate



**B.M.S. College of Engineering, Bengaluru**  
(An Autonomous Institution Affiliated to VTU)

**ONE DAY WORKSHOP ON**  
**RESEARCH METHODOLOGY AND PUBLICATION ETHICS**

**Certificate of Participation**

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This is to certify that Mr./Mrs./Dr. .... of  
..... has  
participated in one day workshop on **Research Methodology and Publication Ethics** held on 18.04.2023 organized by the Department of Physics, Chemistry and Mathematics, B.M.S. College of Engineering, Bengaluru-560019.

<b>Dr. Murugendrappe M V</b> Convener Head, Dept. of Physics, BMSCE	<b>Dr. M.S. Dharmaprakash</b> Convener Head, Dept. of Chemistry, BMSCE	<b>Dr. Veena Jawali</b> Convener Head, Dept. of Mathematics, BMSCE	<b>Dr. S Muralidhara</b> Convener Principal, BMSCE
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