B.M.S COLLEGE OF ENGINEERING, BENGALURU-19
(Autonomous Institute, Affiliated To VTU)

# Department of Electrical and Electronics Engineering

**EVENT REPORT**

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| **Title** | **ELECTRICAL TECHNOLOGY FOR SUSTAINABLE FUTURE** | |
| **Date** | 02nd May 2024 | 9th May 2024 |
| **Time** | 5:00 PM | 7:00 PM |
| **Duration** | 1 week | |
| **Event Type** | Value added course | |
| **Brief Description** (4-5 Lines Max) | This hybrid-mode VAC focuses on recent developments and future trends in "Electrical Technology for a Sustainable Future." It covers key topics such as power electronics applications in smart grids, insights into the latest research trends, and policy mechanisms for renewable energy. Other areas include energy storage and management with power electronics, electric vehicles, and smart urban transportation. The course offers both theoretical and practical knowledge, addressing pressing challenges in sustainable energy and technology. | |
| **Poster** | | |

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| | sanctioned intake of 18 which is also NBA Accredited. Additionally, it operates a research center under VTU since 2003, gaining recognition as an AICTE QIP and NDF Research Center in 2012 and in 2018 respectively.<br>**About this Value-Added Course**<br>This VAC is organized in a hybrid mode and introduces the recent developments and future outcomes addressing the related theoretical and practical aspects of **"Electrical Technology for Sustainable Future."**<br>The major course contents, include, but not limited to<br>• Power Electronics Application in Smart Grid.<br>• Gain insights into the latest research and development trends in these fields.<br>• Policy and Market Mechanisms for Renewable Energy<br>• Energy Storage and Management with Power Electronics<br>• Electric Vehicles and smart urban Transportation<br>**Outcomes of Value-Added Course**<br>At the end of the course, the participant would be able to<br>• Identify the emerging areas engineering domains to carry out research work.<br>• Enhance their understanding of power electronics and renewable energy solutions.<br>• Implement the skillset gained in the field of Power Electronics and its Applications in allied areas.<br>**Who can register:**<br>This VAC is useful to the students (preferably third and final year students), postgraduation students, and research scholars.<br>**Note:**<br>• This Value-Added Course is purely offline. No online requests are entertained.<br>• Certificate will be issued to the participants on successful participation of the course.<br>• Participants with an attendance of at least 85% during the VAC is mandatory.<br>• After the VAC, an AAT activity will be conducted. Those who pass, along with meeting attendance requirements, will receive certificates.<br>**Schedule:**<br>**Date** / **Time** / **Program**<br>02nd May 2024 — 5:00 PM – 7:00 PM — Session – 1<br>3rd May 2024 — 5:00 PM – 7:00 PM — Session – 2<br>4th May 2024 — 5:00 PM – 7:00 PM — Session – 3<br>4th May 2024 — 9:00 AM – 11:00 AM — Session – 4<br>4th May 2024 — 11:10 AM – 1:10 PM — Session – 5<br>4th May 2024 — 2:00 PM – 4:00 PM — Session – 6<br>8th May 2024 — 5:00 PM – 7:00 PM — Session – 7<br>9th May 2024 — 5:00 PM – 7:00 PM — Session – 8<br>**For More Details, Please Contact**<br>**Dr. Prakash. D. B**<br>**Assistant Professor, EEE, BMSCE**<br>Email: prakashdb.eee@bmsce.ac.in<br>Contact Number: +91-9480235493<br>**Dr. Venkata Madhava Ram Tatabhatla,**<br>Assistant Professor, Dept. of EEE,<br>Email: madhavaram.eee@bmsce.ac.in<br>Contact Number: +91-7893222486. |
| **Event Photos** | |
| **No. of Participants** | 60 |

**Faculty Co-ordinators**

**Dr. Prakash. D. B**

**Assistant Professor, EEE, BMSCE**

**Dr. Venkata Madhava Ram Tatabhatla**

**Assistant Professor, EEE, BMSCE**

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