



SDMCET PHYSICS NEWS LETTER

Sri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad
Department of Physics

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Volume I

Editor-in-Chief: Dr. K. I. Maddani

Editor: Dr. P.V. Raghavendra

The department of Physics of SDM College of Engineering and Technology, Dharwad was established in the year 1979. Department is persistent for perfection in teaching, research and outreach exceeding traditional standards and metrics to impart quality education to the undergraduate engineering students. As a recognized research centre of Visvesvaraya Technological University (VTU) Belgaum, Department is actively participating in research in the field of Materials science.

Editorial

I am very happy to place the biannual News Letter of Department of Physics. This News Letter is one of the purposeful objectives of demonstrating the activities of our faculty members and students. Contents of the News letter focuses on progress in R & D activities and the academic efforts of our faculty / students. I wish all the faculty and students for their efforts in achieving the excellence.

Dr. K. I. Maddani
Editor-in-Chief

ACADEMIC PERFORMANCE

Subject	SEM	RESULT (%)
Engineering Physics	II	85
Nanotechnology (Open Elective)	VIII	95

SPONSERED RESEARCH/ FUNDED PROJECTS

A VGST project of sanctioned amount of rupees 20 Lacs is under progress.

RESEARCH PUBLICATIONS AND PRESENTATIONS BY FACULTY

Dr. K.I. Maddani

- Paper entitled “Structural and Optical Properties of (110) Plane Textured SnO₂:Zn Thin Films” published in an International Journal of Self-Propagating High-Temperature Synthesis, 2019, 28(1), 34–38.

Dr. P.V. Raghavendra

- Paper entitled Surface wettability studies of spray deposited ZnO:Sr thin films, published in *AIP Conference Proceedings*, 2087, 020014 (2019).
- Paper entitled Effect of strontium doping on characteristics of spray deposited SnO₂ thin films published in *AIP Conference Proceedings*, 2087, 020013 (2019)
- Paper entitled Electrical Characteristics of Spray Deposited n-ZnO:Sr/p-Si Heterojunction published in *Springer Proceedings in Physics*, 215, 1117 (2019).
- Paper entitled “Characteristics of Spray deposited Mg co-doped ZnO:Al thin films” in the International Conference on

Advanced Functional Materials for Energy, Environment and Health Care (AFMEEHC), University of Mysore, during March 18-20, 2019.

- Paper entitled “Surface wettability studies of spray deposited ZnO:Sr thin films” in the international conference on Inventive Research in Material Science and Technology at RVS Technical campus, Coimbatore, during January 30-31, 2019.

WORKSHOPS/SEMINARS/CONFERENCES/ TRAINING PROGRAMS ATTENDED BY FACULTY

Dr. K.I. Maddani

- Attended VGST sponsored FDP on “Technical education and skill development in India” during Jan 23-25, 2019 at SDMCET, Dharwad.
- Attended National seminar on “Electric Vehicles: Prospects and Challenges” during March 01-02, 2019, organized by Institute of Engineers and SDMCET

Dr. P.V. Raghavendra

- Attended VGST sponsored FDP on “Technical education and skill development in India” during Jan 23-25, 2019 at SDMCET, Dharwad.
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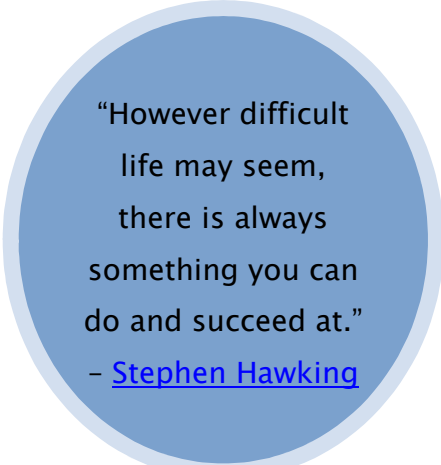
Prof. Praveen N Vaidya

- Attended VGST sponsored FDP on “Technical education and skill development in India” during Jan 23-25, 2019 at SDMCET, Dharwad.

- Attended National seminar on “Electric Vehicles: Prospects and Challenges” during March 01-02, 2019, organized by Institute of Engineers and SDMCET

OTHER ACHIEVEMENTS/ EVENTS

- 1) **Dr. P.V.Raghavendra** completed Ph.D. degree from Karnatak University, Dharwad.
- 2) **Prof. Praveen Vaidya** participated as a Guest in “YOGA DAY” function hosted in Ambedkar Bhavan HDMC Compound, Navanagar Hubballi.
- 3) Faculty members were actively participated in the “*Shalege Banni Shanivara*” activity carried out under the Unnat Bharat Abhiyan Programme.
- 4) Department has successfully conducted the technical event “*Scientia*” under insignia 2019.
- 5) Department has organized Debate Competition on “*The social network- Boon or Bane*” on the occasion of National science day.



“However difficult life may seem, there is always something you can do and succeed at.”
- [Stephen Hawking](#)