

Proforma for filling in Teachers' CV

- Name of Teacher : DR. MAUSUMI SEN
- Dept : PHYSICS
- Designation : ASSOCIATE PROFESSOR
- Qualification : M.Sc , B.Ed , M.Tech , Ph.D
- Work Experience : a) In this college : 23 YRS. :
b) In any other institution : 1) DOORDARSHAN KENDRA
KOLKATA & ALL INDIA RADIO MURSHIDABAD – ENGINEERING ASSISTANT -8 YRS.
2) TENTULIA BALIKA VIDYALAYA - ASST. TEACHER - 1 YR .
Email Id : mausumisen6@gmail.com
- Specialisation : ELECTRONICS & MICROWAVES
- Papers Taught : 1) MECHANICS
2) WAVES & ACOUSTICS
3) ANALOG & DIGITAL ELECTRONICS
4) SOLID STATE PHYSICS
5) ADVANCED DYNAMICS
6) COMMUNICATION ELECTRONICS
7) ELECTRICITY & MAGNETISM

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- **List of Publications:**
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- **Journal Articles**
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- I. *M. Sen* and M. Biswas, “Cad model to predict the effect of radome on the characteristics of rectangular patch antenna”, *Int. J. of Engineering Science and Technology*, vol. 5, pp. 555-563, Mar. 2013. ISSN :0975-5462
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- II. M. Biswas and *M. Sen*, “Design and development of rectangular patch antenna with superstrates for the application in portable wireless equipments and aircraft radome”, *Microwave and Optical Technology Letters*, vol. 56, pp. 883-893, Apr. 2014. ISSN:1098-2760
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- III. *M. Sen* and M. Biswas, “Input impedance of a rectangular patch antenna in multilayered dielectric layers,” *Journal of Innovation in Electronics and Communication Engineering*, vol. 6, pp. 1-5, Jul.-Dec. 2016. ISSN :2249-9945
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- IV. M. Biswas and *M. Sen*, “Design and development of coax-fed electromagnetically coupled stacked rectangular patch antenna for broad band application”, *Progress In*

- *Electromagnetics Research B*, vol. 79, pp. 21-44, 2017. ISSN : 1937-6472 (UGC)
- V. *M. Sen* and M. Biswas, “Fast and accurate model to determine the resonant frequency of tunable rectangular patch antenna”, *Int. J. of Engineering Technology Science and Research*, vol. 4, pp. 632-639, Oct. 2017. ISSN : 2394-3386
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- VI. M. Biswas and *M. Sen*, “Fast and accurate model for a coax-fed rectangular patch antenna with varying aspect ratio, feed location and substrate electrical parameters”, *Journal of Electromagnetic Waves and Applications*, vol.33 , No. 4 , pp. 428-453 , 2019
- ISSN : 15693937, 09205071
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- VII. A. Maitra and *M.kundu* , “ Wideband propagation at millimeter wavelengths through the dispersive and absorptive atmosphere”, *Intrenational Journal of Infrared and Millimeter Waves* , vol .24, No. 11 , November 2003 ISSN : 0195-9271

• Conference Articles

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- I. *M. Sen* and M. Biswas, “Fast and accurate model to determine the resonant frequency of tunable rectangular patch antenna”, *Int. Conference on Science, Technology and Management (ICSTM-2017)*, Oct. 15, 2017.
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- II. *M. Sen* and *M. Biswas*, “Input impedance of a rectangular patch antenna in multielectric layers,” *5th International Conference on Innovations in Electronics and Communications Engineering (ICIECE-2016)*, pp. 84, Jul.8-9, 2016, Hyderabad, India.
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- III. S. Banik, *M. Sen*, and M. Biswas, “Resonant frequency of a rectangular patch in multilayered dielectric media,” *IEEE International Conference on Microwave and Photonics (ICMAP-2013)*, pp. 1-6, Dec. 13-15, 2013, Dhanbad, India.
-
- IV. *M. Sen*, M. Biswas, and M. Biswas, “Improved cad model to compute the resonant frequency of rectangular patch covered by dielectric superstrate,” *Antenna Test and measurement Society conference (ATMS-2013)*, pp. 207-210, Feb 11-13, 2013, Kolkata, India.
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- V. *M. Sen* and M. Biswas, “CAD model to predict the effect of radome on the input impedance characteristics of rectangular patch antenna for wireless application,” *ICCIA-2011*, Dec.26-28, 2011, pp. 84, Kolkata, India.
-
- VI. *M. Sen* and M. Biswas, “CAD model to predict the effect of radome on the resonance characteristics of rectangular patch antenna,” *INDICON- 2011*, pp. 40, Dec.16-18, 2011, Hyderabad, India.
-
- VII. A. Maitra and *M.kundu* , “Broadband propagation at millimeter wavelengths through the dispersive atmosphere”, *Proceedings of APSYM*, Dec 9-11, 2002, Dept. of Electronics , CUSAT , Cochin , India

• List of Presentations in National/International/Conferences/Workshops:

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- I. Presented the research article in International conference on Science, Technology

- & Management (ICSTM-2017) organized by Conference Info in association with
- Academic Science.
- II. Presented the research article in International Conference ICIECE-2016 organized
- by Guru Nanak Institutions, Hyderabad.
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- III. Presented the research article in International Conference on Microwave and
- Photonics (ICMAP-2013) organized by Department of Electronics Engg., Indian
- School of Mines, Dhanbad
- .
- IV. Presented the research article in Annual conference of Antenna Test &
- Measurement Society (ATMS INDIA-2013) organized by Antenna Test and
- measurement Society.
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- V. Presented the research article in IEEE International Conference on
- Communication and Industrial Application (ICCIA-2011) organized by Narula
- Institute of Technology, Kolkata.
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- VI. Presented the research article in IEEE Conference INDICON-2011 organized by
- IEEE, Hyderabad section.
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- Seminars Organised as Convener : UGC SPONSORED STATE LEVEL CONFERENCE
- TWO DAYS
- “ CANVAS FROM MICRO TO MACRO WORLD
- OF PHYSICS ”
- Any other administrative experience outside the institution. nil
- Achievement and awards. nil
- Remarks if any. nil