



## Science Academies' Refresher Course on 'Partial Differential Equations and their Applications (PDEA-2017)' during 3–15 July 2017

at



Indian Institute of Science Education and Research, Bhopal

Sponsored by

Indian Academy of Sciences, Bengaluru

Indian National Science Academy, New Delhi

The National Academy of Sciences, India, Allahabad

The Partial Differential Equations (PDE) is a basic topic of research and teaching in mathematics. The abstract theory behind this topic is also most important from the point of view of applications in large number of areas of science and engineering, such as geometry, economics, hydrodynamics, elasticity, general relativity, geometric flows, just to name a few. The main aim of this course is to highlight essence, beauty and importance of PDE (both in mathematics and in areas of applications) as a subject with deep mathematical structures. This course will therefore provide an excellent opportunity to young teachers, researchers and students from various educational institutions of the country to interact and learn important topics on PDE and its applications from some of the experts of this subject.

Applications are invited mainly from teachers with experience in teaching undergraduate and postgraduate courses in mathematics. Only 25 outstation and 10 local (from in and around Bhopal) candidates will be considered to participate in this course. A few interested research scholars in mathematics and motivated undergraduate/postgraduate degree students (those who have completed at least 3 years at undergraduate level with mathematics as major/minor) can also be considered and they are also encouraged to apply. Outstation participants will be reimbursed for round trip bus/train (3 tier AC) fare by the shortest route (to the maximum of Rs 5000 per person) and local hospitality in IISER Bhopal's guesthouse. Applications must be submitted **ONLINE** on the following webpage:

<http://web-japps.ias.ac.in:8080/Refreshcourse/RCPDEA2017.jsp>

After completing online application, one must take a printout of the application, get it forwarded by the Head of the institution, and e-mail its scanned copy to pdea2017@gmail.com. Last date for submitting the application online as well as to the above e-mail id is **30 April 2017**. Selected candidates will be informed on their e-mail ids by 10 May 2017. Detailed programme of this refresher course will be made available on <https://sites.google.com/site/pdea2017/>. This webpage will be updated from time to time.

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