

# Homi Bhabha Centre for Science Education

## Astronomy Olympiad Exposure Camp

### November 02 to 05, 2015

#### Final Schedule

| Day              | Date              | Time           | Title  | Speaker       |  |
|------------------|-------------------|----------------|--|---------------|--|
| <b>Monday</b>    | <b>02/11/2015</b> | 9:00 to 9:30   | Registration   |               |  |
|                  |                   | 9:30 to 10:00  | Inauguration – Prof. Jayashree Ramadas, Centre Director, HBCSE |               |  |
|                  |                   | 10:00 to 10:30 | <i>Tea break</i>   |               |  |
|                  |                   | 10:30 to 12:30 | Introduction to Olympiads + Basic Terminology                  | AS            |  |
|                  |                   | 12:30 to 13:30 | <i>Lunch</i>   |               |  |
|                  |                   | 13:30 to 15:00 | Celestial Mechanics  | VS            |  |
|                  |                   | 15:00 to 15:30 | <i>Tea break</i>   |               |  |
|                  |                   | 15:30 to 17:00 | Tutorial – 1   | AS, VS        |  |
| <b>Tuesday</b>   | <b>03/11/2015</b> | 9:00 to 10:30  | Physics of Stars – 1   | MC            |  |
|                  |                   | 10:30 to 11:00 | <i>Tea break</i>   |               |  |
|                  |                   | 11:00 to 12:30 | Physics of Stars – 2   | MC            |  |
|                  |                   | 12:30 to 13:30 | <i>Lunch</i>   |               |  |
|                  |                   | 13:30 to 15:30 | Tutorial – 2   | PR, AS        |  |
|                  |                   | 15:30 to 16:00 | <i>Tea break</i>   |               |  |
|                  |                   | 16:00 to 17:00 | The New Horizons ( <b>NIUS Seminar</b> )                       | HT            |  |
| <b>Wednesday</b> | <b>04/11/2015</b> | 09:00 to 10:15 | Optics   | VK            |  |
|                  |                   | 10:15 to 10:30 | <i>Tea break</i>   |               |  |
|                  |                   | 10:30 to 12:30 | Astronomical Coordinates                                       | HM            |  |
|                  |                   | 12:30 to 13:30 | <i>Lunch</i>   |               |  |
|                  |                   | 13:30 to 15:30 | Tutorial – 3   | TS, SJ        |  |
|                  |                   | 15:30 to 15:45 | <i>Tea break</i>   |               |  |
|                  |                   | 16:00 to 02:00 | Night Sky Observation  | PR and Others |  |
| <b>Thursday</b>  | <b>05/11/2015</b> | 10:00 to 11:00 | Astrosat, MOM & Other new developments                         | MNV           |  |
|                  |                   | 11:00 to 11:15 | <i>Tea break</i>   |               |  |
|                  |                   | 11:15 to 12:45 | Planets around other stars                                     | AM            |  |
|                  |                   | 12:45 to 14:00 | <i>Lunch</i>   |               |  |
|                  |                   | 14:00 to 16:30 | Interesting Problems from past INAOs                           | AS, PR        |  |

#### Resource Persons:

|                                     |       |  |      |
|-------------------------------------|-------|--|------|
| Prof. M. N. Vahia, TIFR             | (MNV) | Mr. Tejas Shah, Fr. Agnel College, New Mumbai  | (TS) |
| Dr. Aniket Sule, HBCSE              | (AS)  | Prof. Swapnil Jawkar, SIES College             | (SJ) |
| Prof. Anwesh Mazumdar, HBCSE        | (AM)  | Prof. Vinayak Katdare, Ruparel College, Mumbai | (VK) |
| Mr. Pritesh Ranadive, HBCSE         | (PR)  | Dr. Henry Throop, Southwest Research Institute | (HT) |
| Dr. Manojendu Choudhury, UM-DAE CBS | (MC)  | Ms. Keyuri Raodeo, HBCSE                       | (KR) |
| Prof. Vijay Singh, UM-DAE CBS       | (VS)  | Mr. Vikrant Kurmude, HBCSE                     | (KV) |
| Mr. Hemant Mone                     | (HM)  | Mr. Pranit Deshmukh, Khagol Mandal             | (PD) |