



31st Prof. Brahm Prakash Memorial Materials Quiz 2023

September 8-9, 2023



FINAL ANNOUNCEMENT

Organised by
IIM Kalpakkam Chapter
Indira Gandhi Centre for Atomic Research
Kalpakkam, Tamil Nadu

The Kalpakkam chapter of the Indian Institute of Metals (IIM) has been conducting Materials Quiz for class XI and XII students since 1990. In the year 1993, this event was named after Prof. Brahm Prakash, an eminent metallurgist of India. This year **Prof. Brahm Prakash Memorial Materials Quiz (BPMMQ)** along with an **elocution contest** will be conducted at Kalpakkam on **Sept. 8 & 9, 2023**. Apart from these, a visit to various nuclear facilities and labs in Kalpakkam, named as **Metal Camp**, will be arranged.

About BPMMQ Event

This programme was initiated in the year 1990 to create awareness and interest among high school students about the role of material science and metallurgy in human civilization, ancient archaeology, industrial, engineering and technology developments. Over the years, this quiz competition has been appreciated by educationalists, scientists and industrialists. It is one of the prestigious event of the Indian Institute of Metals (IIM). This national level quiz and Elocution contest has gained wide popularity among the students community and every year it attracts more than 120 students from all over India. This year we look forward for participation from all the chapters of IIM.

Metal Camp

In this programme, the students and escorts will be taken around various nuclear labs & facilities in Kalpakkam like Madras Atomic Power Station (MAPS), Fast Breeder Test Reactor (FBTR), Prototype Fast Breeder Reactor (PFBR) and other state-of-the-art facilities for advanced research in Material Science & Technology. The visit to various facilities would be an enthralling and inspiring experience for budding scientists.

Quiz Contest & details

1. Each team shall be represented by **two students** only.
2. A maximum of **two teams** per chapter shall strictly be followed.
3. A maximum of **two teams** per region shall participate from regions where IIM local chapters are not functional.
4. Only **one escort** per chapter/region is allowed to accompany the team members.
5. The confirmation of the participation and number of teams (one or two) from each chapters/regions shall be sent to **bpmmqkalpakkam@gmail.com** on or before **Aug. 16, 2023**.
6. Filled-in registration forms along with the details of participants /escorts, scan copy of ID cards and travel itinerary shall reach us not later than **Aug. 25, 2023**.
7. Preliminary rounds will be held in parallel sessions. The winners and runners-up from each session will be selected for the semifinal. Top three teams from each of the two semifinals will contest the Grand Finale.

Essay & Elocution Contest

The topics for essay cum elocution contest are (choose any one)

- 1. Materials for carbon capture technology**
- 2. Role of Artificial intelligence (AI) and Machine Learning (ML) in advancement of materials research.**
- 3. Hydrogen storage and its use in transportation**

The participants of BPMMQ-2023 (i.e., final participants short listed by local chapters) are only eligible for the essay and elocution contest. A maximum of four entries may be forwarded by each IIM chapter among the quiz participants from their chapter. The soft copy of the essay must be forwarded only by the respective chapter through email to **bpmmqkalpakkam@gmail.com** before **Aug. 25, 2023**.

Essay Format: Maximum of **2000** words; Font- **Times New Romans**; Title in **18** pts, Sub title in **14** pts and Text in **12** pts.

Evaluation: Essays will be assessed, among other criteria, for originality, comprehensiveness of coverage of topic and novel ideas presented. All the essays will be checked for plagiarism and it should be less than 10% for qualification. A total of **8 best essays** selected by the jury will be invited for elocution contest on **Sept. 9, 2023**.

Awards

The winners and runners-up of BPMMQ-2023 quiz will be invited to participate in **IIM Awards Ceremony** on **Nov. 23rd** during **IIM-ATM 2023 at Bhubaneswar, Orissa** and to receive the certificates and cash award of **Rs. 15,000/-** and **Rs. 10,000/-** respectively. In addition, the winner and runner-up of quiz contest will receive the **Awards** with prize money of **Rs. 15,000/-** and **Rs. 10,000/-** respectively at valedictory function of BPMMQ-2023 in Kalpakkam on **Sep. 9, 2023**.

Quiz Prize Details

| | |
|-----------------------|---------------------|
| Winner-Up Team | Rs. 30,000/- |
| Runner-Up Team | Rs. 20,000/- |

Elocution Prize Details

| | |
|------------------------|-------------------------|
| Winner | Rs. 10,000/- |
| Runner (2 Nos.) | Rs. 5,000/- each |

Prof. Brahm Prakash Memorial Materials Lecture

As part of this lecture, an eminent metallurgist or materials scientist will be invited to deliver the lecture and share their valuable experience in the exciting field of materials to inspire young minds.

In the past, many eminent scientists like **Prof. C.V. Sundaram, Dr. P.K. Iyengar, Dr. R. Chidambaram, Dr. C.G.K. Nair, Prof. S. Ranganathan, Prof. P. Ramachandra Rao, Dr. S. Banerjee, Dr V.S. Arunachalam, Prof. V.S Ramamurthy, Prof. S.P. Mehrotra, Dr. Prabhat Kumar, Dr. R.N. Patra, Prof. Indranil Manna, Shri. S. S. Mohanty, Prof. Krishnan Balasubramanian, Dr. A.K. Bhaduri, Dr. G. Amarendra, Dr. U. Kamachi Mudali, Prof. Amol Gokhale and, Dr. Samir V. Kamat** have delivered the BPMMQ memorial lecture.

This year **Dr. B.S. Murty, Director, IIT Hyderabad** will deliver the prestigious "Prof. Brahm Prakash Memorial Lecture" and share his experience in the exciting world of materials.

Dr. B.S. Murty is a renowned Metallurgist and a pioneer in the field of High Entropy Alloys, Nanocrystalline Materials, Bulk Metallic Glasses, Microscopy of Materials etc. He has authored more than 500 publications and books. Dr. B.S. Murty is a



Dr. B.S. Murty

recipient of many awards including Shanti Swarup Bhatnagar Award, Metallurgist of the Year Award, MRSI Medal, INAE Outstanding Teacher to name a few. He is a Fellow of The World Academy of Sciences, Indian Institute of Metals, Asia Pacific Academy of Materials, ASM International, Indian Academy of Sciences and Indian National Academy of Engineering.

Accommodation and Local Transport

IIM Kalpakkam chapter would take care of accommodation, local hospitality which include **pick-up and drop** from/to Chennai Railway station/Airport for the registered participants and their escorts.

About Kalpakkam

Kalpakkam is a coastal township situated on the shore of the Bay of Bengal, at a distance of 75 km from Chennai and about 20 km from the famous archaeological town of Mamallapuram. The clean, green & calm township with vast sandy beach and backwaters will for sure captivate the minds and hearts of all our guests.

Important dates

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|--------------------------------------------------------|----------------------|
| Intimation of participation from Chapter/Region | Aug. 16, 2023 |
| Registration from Chapters/Region/Schools | Aug. 25, 2023 |
| Metal Camp | Sept. 8, 2023 |
| BPMMQ and Elocution | Sept. 9, 2023 |

Contact details

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Please contact us at email : bpmmqkalpakkam@gmail.com and visit <http://iim-kalpakkam.in> for any details and glimpses of last year event.