Centre for Atmospheric Sciences
Minutes of the CRC (2020 – 21)

Date: 20/05/2021

Time and venue: 20th May 2021, 4:00 pm on MS Teams

Present:
Prof. Somnath Baidya Roy Chairperson
Prof. Krishna AchutaRao Member
Prof. A. D. Rao Member
Prof. Sagnik Dey Member
Prof. Vimlesh Pant Member
Prof. Dilip Ganguly Member
Prof. Ravi Kumar Kunchala Member
Prof. Sarvesh Kumar Dubey Special invitee
Prof. Sandeep Sukumaran Member-Secretary

Item 1: Shortlisting of the applicants for international PhD programme in the Centre for Semester-I, 2021-22

Table 1. Details of the international PhD applications received at CAS

<table>
<thead>
<tr>
<th>Category</th>
<th>No. of applications received</th>
<th>No. of applications shortlisted for interview</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Male</td>
<td>Female</td>
</tr>
<tr>
<td>Foreign National</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

Table 2. Centre’s shortlisting criteria as approved by the CRC

<table>
<thead>
<tr>
<th>Exam</th>
<th>Qualifying degree</th>
<th>CGPA/percentage</th>
<th>Interview shortlisting criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1. MTech or equivalent in Atmosphere/Ocean sciences, Civil, Environmental Science and Engineering, Mechanical, Aerospace, Chemical, Agricultural Engineering, Production and Industrial, or Mining Engineering</td>
<td>1a. 6.0 on a 10-point scale/60%</td>
<td>1b. If the previous degree is MSc, then the candidate should have taken both physics and mathematics at UG level 1c. If the qualifying degree is in a different subject than those listed, then the candidate should have demonstrated experience in atmosphere/ocean related area</td>
</tr>
<tr>
<td></td>
<td>2. MSc or equivalent</td>
<td>2a. 6.0 on a 10-point scale/60%</td>
<td>2b. Candidate should have taken both physics and mathematics at UG level</td>
</tr>
<tr>
<td></td>
<td>3. BTech or equivalent in Atmosphere/Ocean sciences, Civil,</td>
<td>3a. 6.0 on a 10-point scale/60%</td>
<td>3b. If the qualifying degree is in a subject other than those listed, then the candidate should have demonstrated experience in atmosphere/ocean related area</td>
</tr>
</tbody>
</table>
Environmental Science and Engineering, Mechanical, Aerospace, Chemical, Agricultural Engineering, Production and Industrial, or Mining Engineering should have demonstrated experience in atmosphere/ocean related area

4. National or international exams (Acceptable national exams are GATE, CSIR/UGC- NET, NBHM, ICAR, ICMR, and DST INSPIRE fellowship)

4a. If the qualifying degree is awarded by a foreign university/institute, national/international exam is not required
4b. If the qualifying degree is MTech/equivalent and awarded by an Indian university/institute, national/international exam is not required.
4c. If the qualifying degree is MSc/equivalent and awarded by an Indian university/institute, the candidate should have a valid GATE score ≥450 or qualified an acceptable national exam
4d. If the qualifying degree is BTech/equivalent and awarded by an Indian university/institute, the candidate should have a valid GATE score ≥650 or qualified an acceptable national exam

Item 2: Shortlisting of candidate based on the criteria in Table 2.

A) List of international PhD candidates shortlisted for interview

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Application Ref. No.</th>
<th>Name</th>
<th>Gender</th>
<th>Nationality</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>IPG-212201-0078</td>
<td>Temesgen Kassaw Derso</td>
<td>Male</td>
<td>Ethiopia</td>
<td>Will be interviewed</td>
</tr>
</tbody>
</table>

B) List of not shortlisted international PhD candidates

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Application Ref. No.</th>
<th>Name</th>
<th>Gender</th>
<th>Nationality</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>IPG-212201-0188</td>
<td>Kunsang Tsephel</td>
<td>Male</td>
<td>NA</td>
<td>Not satisfying criteria 2b</td>
</tr>
<tr>
<td>---</td>
<td>----------------</td>
<td>-----------------</td>
<td>------</td>
<td>----</td>
<td>---------------------------</td>
</tr>
</tbody>
</table>

**Item 3: The selection process**
The CRC discussed the process for selection and decided that shortlisted candidates will be required to submit a one page write-up for identifying a research area (see Annexure-I) **on or before 31st May, 2021**. Only those candidates that submit the one page write-up **on or before 31st May, 2021** will be given a slot for interview through video conferencing on MS Teams.

**Item 4: The dates and venue of the interviews for Ph.D. programme are:**

<table>
<thead>
<tr>
<th>Date and time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>10th June 2021, Time: TBD</td>
<td>Remote interview through MS Teams. Interviews will be conducted for only those candidates who submit one page write-up and provide required documents (in case of conditional shortlisting)</td>
</tr>
</tbody>
</table>

**Item 5: The CRC discussed and decided that CAS, IIT Delhi, will not video record the interviews of any candidate appearing for an online interview through video conferencing. Candidates are also not permitted to record the proceedings of the interview, or indulge in any malpractice during the course of the interview. In case violation of any of this is found, it may lead to cancellation of the admission.**

(Sandeep Sukumaran)
Secretary, CRC
ANNEXURE-I
Template for identifying a research area

Name: _________________________________ Application Number:________________

1. Describe your background and how it prepares you for a PhD in the area of
   “atmospheric & oceanic sciences.” (50 words)

2. What motivated you to apply for the PhD program at CAS? What is the broad area that
   you are motivated to work on if you are selected for the program PhD at CAS? (50
   words. Please look at the faculty research interest from the respective faculty profile
   pages at http://cas.iitd.ac.in/faculty.html. Note that your chosen research area should
   align with the research interests of at least one of the faculty members.)

3. What specific research topic are you hoping to work on? Describe with adequate
   background information what your research questions are and how you intend to
   answer them. Include references where necessary (200 words). Please note that if you
   are selected you will have ample opportunities to change or modify your research
   topic in consultation with your supervisor.

Undertaking: By affixing my name here, I attest that I have prepared this write-up without the
help of any other individual. Name: ___________________________

The Shortlisting criteria given in Table 2 may be approved.

JR, Academics

Dean, Academics

23/05/21