This programme aims to provide theoretical basis and hands-on experience to the participants. The programme will help in capacity building for the utilisation of satellite data from Indian and global missions in the field of ocean colour remote sensing.

**Details of The Training Program**

The training programme consists of forenoon lectures covering topics on satellite oceanography with emphasis on ocean colour remote sensing by scientists working in related fields in SAC. The lectures will be followed by hands-on with satellite data processing and some applications in the afternoon. Participants will be provided subsidized paid accommodation at SAC guest house on twin sharing basis. No fees will be charged for the training. However, TA/DA will not be provided. Participation certificates will be provided after completion of the training.

<table>
<thead>
<tr>
<th>Date</th>
<th>13-21 April 2020</th>
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<tbody>
<tr>
<td>No. of participants</td>
<td>30 (maximum)</td>
</tr>
<tr>
<td>Target Group</td>
<td>Masters / PhD students from State / Central Universities &amp; colleges working in the field of Marine Sciences, marine biology, aquatic sciences /biology, botany with specialization in aquatic botany, fisheries, zoology with specialization in fisheries, environmental sciences</td>
</tr>
<tr>
<td>Desirable</td>
<td>Basic knowledge of Remote Sensing and working knowledge of image processing software.</td>
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</tbody>
</table>

Only 30 participants can be accommodated for the training programme. If more number of applications are received, the selection will be made on the basis of applicant’s background experiences and qualifications.

**Interested persons may send the filled-in application form** on or before March 10, 2020 to:

**Dr. S.P. Vyas**
Head, ERTD/VRG/EPSA
Space Applications Centre (ISRO)
Bopal Campus, Ahmedabad - 380058
Phone: 079-26916223/6224
Fax: 079-2691-6287
Email: tree@sac.isro.gov.in

**For further details please visit our website** http://vedas.sac.gov.in/

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**Training on Ocean Colour Studies**

Space Applications Centre, Ahmedabad, is organising a training programme on ‘Ocean Colour Studies: Remote Sensing & Field measurements’ for students of Indian universities under TREES initiative of VEDAS.

**Introduction**

Oceans occupy almost 70% of the surface of our mother planet. To observe, explore, monitor and manage our vast oceans, satellites are wonderful tools since its gives synoptic coverage. Ocean colour studies focuses on observations of oceans through remote sensing and field measurements in the visible and near infra red part of the sunlight. Using ocean colour data we can measure phytoplankton biomass, total suspended matter, nutrients, particulate/dissolved organic matter and water transparency in oceans. Identification of potential fishing zones, habitat mapping, algal bloom monitoring, cyclone and dust induced productivity, upwelling processes, biogeochemical cycle of oceans, sequestration of carbon, fixation of nitrogen and atmospheric aerosol studies are some other arenas where ocean colour studies from satellite plays major role.

ISRO has a committed ocean colour program and has launched two ocean colour sensors viz. Ocean Colour Monitor-1 (OCM-1) in 1999 and Ocean Colour Monitor-2 (OCM-2) in 2009. These missions will be followed by the launch of OCM-3 tentatively in 2020 and OCM-3A further for strengthening the ocean colour studies. Moreover upcoming GISAT mission of ISRO would provide the continuous observation of Indian ocean from geostationary platform.
Space Applications Centre, Ahmedabad
Application for training on
Remote Sensing of Ocean Colour: Techniques and Applications
(13 -21 April 2020)
TREES (Training and Research in Earth Eco-System)
Last date of Application 10 March, 2020

(Please type or write in CAPITAL Letters)
Name : Mr./Ms.______________________________________________
Date of Birth (DD/MM/YYYY) : ________________________________
Gender:(Tick) : □ Male □ Female
Contact Information: : _________________________________________
(Self: Name and address)
________________________________________________________________________
Nationality : _________________________________________________
Phone : ______________________________________________________
Email ID : ____________________________________________________
Aadhaar Card No : ____________________________________________

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<th>Course</th>
<th>Subject</th>
<th>University</th>
<th>Year of Passing</th>
<th>Percent/CGPA</th>
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<td>Postgraduate</td>
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<tr>
<td>Ph. D</td>
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</tbody>
</table>

Name of University/college/Dept : ________________________________________________
Occupation : ________________________________________________________________
Whether you have attended any training at SAC/ISRO : □ Yes □ No (If Yes Please Describe)
Justify your Selection for the Training Programme : __________________________________
(specify your experience in Hydrology, Remote Sensing data handling, software used and intended future applications)*
(* Attach separate sheet if required)
Whether Guest House accommodation required at SAC during training : -------(Yes / No)
Signature of the applicant with date : ____________________________________________
Recommendation by Head of Department : __________________________________________
Principal with seal and date
Contact E-mail / Phone of HOD / Office in case of Emergency

Address: Head, ERTD/VRG/EPSA, Space Applications Centre(ISRO), Bopal campus, opposite DPS School, Bopal, Ahmedabad-380058 Phone: 079 2691 6223/24/27, Fax: 079 2691 6287
Send Scanned Signed Copy by e-mail only: trees@sac.isro.gov.in