

No: GU/R/2013 / 86

25/9/2013.

To,

Prof.Dr.Bharat Desai  
Professor of International Law,  
Jawaharlal Nehru Chair in International  
Environmental Law, Chairman, Centre for  
International Legal Studies,  
Jawaharlal Nehru University,  
School of International Studies,  
New Delhi – 110 067.

Sub: Final Copy of MOU for the Inter-University Consortium on  
Geo- spatial Information Systems (IUCGIS) signed on 12th  
September,2013.

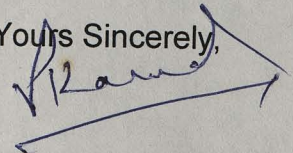
Sir,

This has reference to your letter dated 18<sup>th</sup> September,2013 addressed to the  
Vice Chancellor.

In this regard, I am to acknowledge with thanks the receipt of the original  
copy of MOU(IUCGIS) duly signed by the concerned participating Universities.

With warm regards.

Yours Sincerely,



(Prof.V.P.Kamat)  
Registrar.





# Jawaharlal Nehru University

School of International Studies

New Delhi 110067 INDIA

Tel.: + 91-11-2670 4200  
E-Mail: [desai@jnu.ac.in](mailto:desai@jnu.ac.in)

**Professor Dr. Bharat H. Desai**  
*Professor of International Law*  
*Jawaharlal Nehru Chair in International Environmental Law*  
**Chairman, Centre for International Legal Studies**

18 September 2013

VICE-CHANCELLOR'S  
SECRETARIAT

Prof. Satish Shetye  
Vice Chancellor  
Goa University, Taleigao Plateau  
Goa- 403 206

FORWARD No. 1119, DATE 23/9/13

Subject: Final Copy of MoU for Inter-University Consortium on Geo-spatial Information Systems (IUCGIS) signed on 12 September 2013

Dear Professor Shetye:

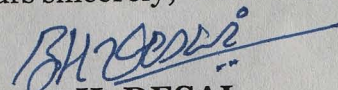
As you are aware, the first meeting of the **Inter-University Consortium on Geo-spatial Information Systems (IUCGIS)** took place on 12 September 2013 at JNU Campus, New Delhi.

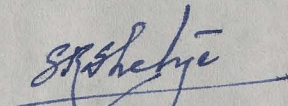
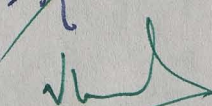
The IUCGIS comprising nine Partner Universities (PUs) has been formed after a painstaking process. It will be duly coordinated by JNU. We look forward to working with your University within the scope of the said IUCGIS.

A process is now underway to put together an ambitious project proposal with the participation of all the PUs. I do hope and trust that the **Focal Point** from your University will actively participate and contribute to take the IUCGIS forward.

Pl. find attached signed original copy of MoU for your record. Do acknowledge.

With best regards,  
Yours sincerely,

  
**Bharat H. DESAI**

  
→ R  
  
23-9-13  
PAR (R)

Copy to:

- 1) Prof. Mahender kotha (Given to peon of Earth Sci)  
Dept of Earth Science on 25/09/13
- 2) Deputy Registrar (Acad) / AR(PG) - 25/9/13

GOA UNIVERSITY  
REGISTRAR OFFICE  
Inward No. 4244 (R)  
Date: 24/09/13



**AGREEMENT OF COOPERATION**

BETWEEN  
JAWAHARLAL NEHRU UNIVERSITY

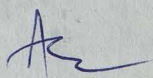
AND  
UNIVERSITY OF KASHMIR  
AND  
GURU NANAK DEV UNIVERSITY  
AND  
KURUKSHETRA UNIVERSITY  
AND  
PANDIT DEENDAYAL PETROLIUM UNIVERSITY  
AND  
UNIVERSITY OF PUNE  
AND  
GOA UNIVERSITY  
AND  
UNIVERSITY OF HYDERABAD  
AND  
UNIVERSITY OF MADRAS


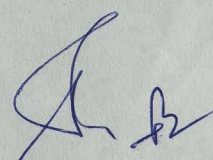
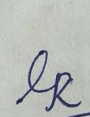

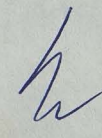
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Hereinafter, called the  
**"INTER-UNIVERSITY CONSORTIUM ON GEO-SPATIAL INFORMATION SYSTEMS"**

*This Consortium is formed with the aim, mandate and objectives to:*

- a) Contribute to making national Geo-spatial Information Systems (GIS) a reality in near future, training to equip a large number of professionals in academia, government and private sector to provide a strong base for national GIS for governance and developmental processes, to promote teaching and research on geospatial technology in the partner institutes, to work towards necessary human resources, and expertise as well as realization of a national policy, law and organizational structure on GIS;
- b) Strengthen GIS and its applications by undertaking concerted cutting-edge research programs for the effective use of GIS for developing decision support systems (DSS) for areas such as disaster management, natural resources management, agriculture, urban planning, rural development as well as GIS applications in health, municipality and utility sectors;
- c) Initiate a concerted teaching as well as research program for the integration of high-resolution satellite data available from the Indian satellites, GPS, geo-informatics, field observations and socio-economic data from the national census for developing spatial DSS at the basic administrative levels as well as to facilitate quantitative as well as qualitative comparisons for past, present and future temporal and spatial patterns of natural resource base, demographic, urban and rural development trajectories.

  
MSH



d) Jointly develop interdisciplinary teaching and research programs at national and international levels, strengthen facilities (laboratories, field research and other infrastructure); improve quality and reach of teaching as well as research in geo-informatics including outreach programs for faculty, technical personnel and research scholars;

e) Development of comprehensive resource geospatial data banks on the basis of field, geospatial modeling and observational data and ensure exchange and sharing of these databases with agencies involved in planning and development in various sectors for larger societal needs;

f) Work towards integration of observations and corresponding analysis by creating a network for academic exchanges in teaching and research in higher education institutions for the promotion of geoinformation technology at the grassroots for promoting good governance in the country.

g) Make efforts for acquiring necessary financial resources for this consortium, in addition to the available resources and infrastructure of the Partner Universities (PU), from national and international funding agencies as well as other relevant donor agencies and foundations;

h) Strive towards collaborative teaching, cutting-edge research and capacity building in the aforesaid areas.

### SECTION – I

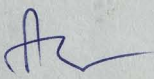
All partner Universities of the consortium hereby agree to promote the following activities so as to enhance their respective educational and research roles as well as capabilities in the following areas:

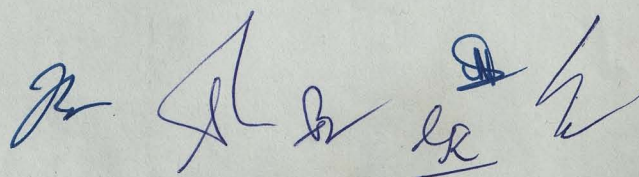
- a) Exchange of faculty as well as research scholars from available expertise in the areas of remote sensing and geo-informatics;
- b) Exchange of information, research materials and research output in the subject of this MoU in the interest of all the PUs as well as the larger society.
- d) Actively engage in cutting-edge collaborative teaching, research and knowledge-sharing as well as operationalize a satellite data hub through a receiver supported by ISRO;

### SECTION – II

The areas of focused activity shall be, to begin with, as follows:

- a) Design specialized teaching courses in GIS at various levels in all the Partner Universities.
- b) Formulation of joint research proposals at national and international levels on GIS to attain the status of "centre for excellence" in the field.
- c) Build expertise and capacity in GIS in terms of shared state-of-art laboratories and research facilities so as to provide, among others, a knowledge hub in GIS, mapping environmental parameters, tracking urban area growth and change, monitoring natural resources, land and water conservation measures, agriculture yield prediction, determining spatial arrangement of green/open spaces, monitoring changes on urban fringe, analyzing land cover/land use changes, potential man-made and natural hazards and disasters as well as groundwater availability and quality.

  
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### SECTION – III

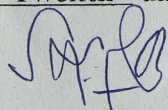
Unless agreed upon specifically, JNU (as the Coordinating Host University) and other partner Universities shall have no financial responsibility for any of the expenses incurred in respect of activities indicated above other than those either expressly provided for or agreed upon. In order to make smooth accessibility in exchange programmes and research, joint project funds that reach these institutions may be used judiciously and as jointly agreed upon.

### SECTION – IV

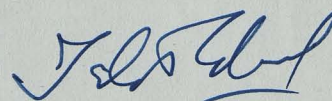
The Consortium shall remain effective for a period of five years from the date on which representatives of the respective partner Universities place their signatures on this instrument. It may be further extended and/or amended with the written consent of all the participating Universities. Membership of this Consortium may be terminated by any of the partner Universities by providing an advance six months notice in writing.

### SECTION – V

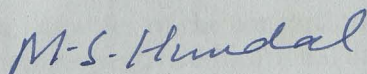
Signed by the respective Vice-Chancellors of the following founding Partner Universities of the consortium on this Twelfth day of September in the year Two Thousand and Thirteen:



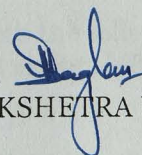
JAWAHARLAL NEHRU UNIVERSITY



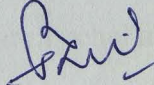
UNIVERSITY OF KASHMIR



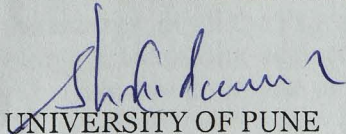
GURU NANAK DEV UNIVERSITY



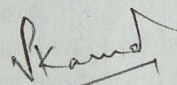
KURUKSHETRA UNIVERSITY



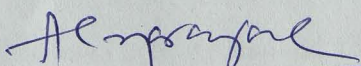
PANDIT DEENDAYAL PETROLIUM UNIVERSITY



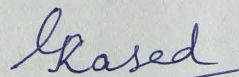
UNIVERSITY OF PUNE



GOA UNIVERSITY



UNIVERSITY OF HYDERABAD



UNIVERSITY OF MADRAS



Inter-University Consortium on Geo-spatial Information Systems (IUCGIS)

LIST OF PARTNER UNIVERSITIES – V-Cs & FOCAL POINTS

FIRST MEETING –MOU SIGNING – 12 September 2013; JNU CAMPUS

Coordinated By: Prof. Bharat H. Desai [desai@jnu.ac.in; 0999352162]

*BH Desai*

<u>S.NO.</u>	<u>PARTNER UNIVERSITY</u>	<u>Vice-Chancellor</u>	<u>FOCAL POINT</u>	<u>CONTACT</u>	<u>EMAIL</u>	<u>SIGNATURE</u>
1.	Jawaharlal Nehru	Prof.S.K.Sopory	Prof.Milap Sharma	09818772842	sopory@jnu.ac.in milap@jnu.ac.in	<i>Sopory</i>
2.	Kashmir	Prof.Talat Ahmad	Prof.Shakil Romshoo	09419010924	tahmad001@yahoo.co.in shakilrom@yahoo.com	<i>Talat Ahmad</i>
3.	Guru Nanak Dev	Prof.A.S.Brar	Dr.B.Shekhon	09855135832	vcgndu@gmail.com getsekhon@gmail.com	<i>M.S. Hundal</i>
4.	Kurukshetra	Lt.Gen.DDS Sandhu	Prof.M.S. Jaglan	09416275401	vc.kuk@rediffmail.com msjaglan@kuk.ac.in	<i>Dr. Jaglan</i>
5.	Pandit Deendayal Petroleum	Prof.P.K.Banik	Prof.Bijay Behera	09727780048	DG@pdpu.ac.in Bijay.B@spt.pdpu.ac.in	<i>Bijay Behera</i>
6.	Pune	Prof.W.N.Gade (S.B. PARAJPE)	Prof.V.S.Kale	07507128000	puvc@unipune.ac.in vskale@unipune.ac.in	<i>W.N. Gade</i>
7.	Goa	Prof.Satish Shetye (Prof. V. P. Kulkarni)	Prof.M.Kotha	09970126173	shetye@unigoa.ac.in mkotha@yahoo.com	<i>Kamat</i>
8.	Hyderabad	Prof.R.Ramaswamy	Prof.A.C.Narayana	09989625346	vcuohyd@gmail.com acnarayana@gmail.com	<i>A.C. Narayana</i>
9.	Madras	(Prof.R.Thandavan) Prof. G. Koteswara Besad	Prof.M.Suresh =	09444205566	ve@unom.ac.in sureshgeography@gmail.com	<i>G. Koteswara</i>