



गुजरात केन्द्रीय विश्वविद्यालय  
(भारत की संसद के अधिनियम सं. 25, 2009 के तहत स्थापित)  
**CENTRAL UNIVERSITY OF GUJARAT**  
(Established by an Act of Parliament of India, No 25 of 2009)

**F. No. 10-19/2015-Admn /186**


**Date: 18.07.2019**

**Office Order No. 10/AA – 2019-20**

The Competent Authority has constituted Institutional Bio Safety Committee (IBSC) for the University. The Committee consists of following for a period of three years w.e.f. 16.07.2019.

1. Prof. J. P. N. Mishra	Dean, SLS (Chairman)
2. Dr. Umesh C S Yadav	Member
3. Dr. Seema Rawat	Member
4. Dr. Rajesh Vasita	Member
5. Dr. Sunita Patel	Member
6. Dr. Anju Pappachan	Member
7. Prof. Mennu Sadaf	Member (Gujarat University)
8. Dr. Vivek Bhawe	Member (Medical Officer)
9. DBT Nominee	Member

The Committee is mandated to work in the field of DNA/RNA recombinant technology as per requirement of the Science Schools.

  
**Registrar (I/c)**

**Copies to:**

1. Prof. J. P. N. Mishra (For further necessary action for DBT Nominee)
2. All Committee Members
3. All Deans, Science Schools (By Email)
4. Chairperson ICT with a request to put this office order on University website.
5. Deputy Registrar – Academics/Admin
6. Assistant Registrar (Academic)
7. Circular File
8. Guard File

सेक्टर-29, गांधीनगर-382030, फोन नं - 07923977407, फेक्स-07923260076

Sector-29, Gandhinagar, Phone No. 07923977407, Fax-07923260076

Email: [hemang.desai@cug.ac.in](mailto:hemang.desai@cug.ac.in), website: [www.cug.ac.in](http://www.cug.ac.in)





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## CENTRAL UNIVERSITY OF GUJARAT

(Established by an Act of Parliament of India, No 25 of 2009)

F. No. 55-55/2019-ACD/ 564

04.12.2019

### NOTIFICATION NO.80/AA-2019

#### Constitution of Departmental Academic Integrity Panel

As per UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, the Competent Authority has constituted the DAIP for the School of Environment and Sustainable Development with following members for a period of two years w.e.f. 03/12/2019.

#### School of Environment and Sustainable Development

a)	Chairman - Head of the Department	Dr. Bhawana Pathak, Dean, SESD
b)	Member - Senior academician from outside the department, to be nominated by the head of HEI.	Prof. Man Singh, Dean, SCS
c)	Member - A person well versed with anti-plagiarism tools, to be nominated by the Head of the Department.	Dr. Rajnesh Singh, Assistant Professor, SESD

**Note:** The tenure of the members in respect of points 'b' and 'c' shall be two years. The quorum for meetings shall be two out of three members (including chairman).

#### **Terms of Reference:**

1. If any member of the academic community suspects with appropriate proof that a case of plagiarism has happened in any document, he or she shall report it to the Departmental Academic Integrity Panel (DAIP). Upon receipt of such a complaint or allegation the DAIP shall investigate the matter and submit its recommendations to the Institutional Academic Integrity Panel (IAIP) of the HEI.
2. The DAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the student, faculty, researcher and staff.





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3. The DAIP shall have the power to assess the level of plagiarism and recommend penalty(ies) accordingly. After investigation, the DAIP shall submit its report with the recommendation on penalties to be imposed to the IAIP within a period of 45 days from the date of receipt of complaint / initiation of the proceedings.
4. If there is any complaint of plagiarism against any member of DAIP, then such member shall excuse himself / herself from the meeting(s) where his/her case is being discussed/investigated.

*Alok Gupta*

**Registrar (Offg.)**

### Copy to:

1. All concerned members
2. All Deans
3. Finance Officer/COE (Offg.)
4. Deputy Registrar – Academic/Admin
5. All chairpersons & Coordinators of the Centers.
6. ICT Chairperson – with a request to post this Notification on University website
7. Assistant Librarian
8. DDO
9. VC Secretariat
10. HR-Dept. (For Personal files of all concerned)
11. Notification File
12. Guard File





# गुजरात केन्द्रीय विश्वविद्यालय

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## CENTRAL UNIVERSITY OF GUJARAT

(Established by an Act of Parliament of India, No 25 of 2009)

F. No. 2-34/2019-ACD/ 132

24.06.2019

### NOTIFICATION NO.25/AA-2019

#### Constitution of Departmental Academic Integrity Panel

As per UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations, 2018, the Competent Authority has constituted the DAIP for the School of National Security Studies with following members for a period of two years w.e.f. 21/06/2019.

#### School of National Security Studies

a)	Chairman - Head of the Department	Dr. Arun Vishwanathan, Chairperson, SNSS
b)	Member - Senior academician from outside the department, to be nominated by the head of HEI.	Prof. Balaji Ranganathan, Chairperson, Center for Comparative Literature & Translation Studies
c)	Member - A person well versed with anti plagiarism tools, to be nominated by the Head of the Department.	Dr. Bhakti Gala, Assistant Professor, School of Library & Information Science

**Note:** The tenure of the members in respect of points 'b' and 'c' shall be two years. The quorum for meetings shall be two out of three members (including chairman).

#### **Terms of Reference:**

1. If any member of the academic community suspects with appropriate proof that a case of plagiarism has happened in any document, he or she shall report it to the Departmental Academic Integrity Panel (DAIP). Upon receipt of such a complaint or allegation the DAIP shall investigate the matter and submit its recommendations to the Institutional Academic Integrity Panel (IAIP) of the HEI.
2. The DAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the student, faculty, researcher and staff.
3. The DAIP shall have the power to assess the level of plagiarism and recommend penalty(ies) accordingly. After investigation, the DAIP shall submit its report with the recommendation on penalties to be imposed to the IAIP within a period of 45 days from the date of receipt of complaint / initiation of the proceedings.





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- 
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**Registrar (I/c)**

### Copy to:

1. All concerned members
2. All Deans
3. Finance Officer/COE (Offg.)
4. Deputy Registrar – Academic/Admin
5. All chairpersons & Coordinators of the Centers.
6. ICT Chairperson – with a request to post this Notification on University website
7. Assistant Librarian
8. DDO
9. PS to VC
10. Personal files of all concerned
11. Notification File
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# ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય

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ડૉ. સત્ય પ્રકાશ ઉપાધ્યાય

કુલસચિવ

Dr. Satya Prakash Upadhyay

Registrar

F. No. 55-55/2019-ACD/ 512.

23.08.2021

### Notification No.50/AA-2021-22

**Sub:** Constitution of Departmental Academic Integrity Panel (DAIP) of Centre for Studies in Society and Development, School of Social Sciences.

**Ref.:** Approval of Hon'ble Vice Chancellor dated 13.08.2021.

As per UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations-2018, the Competent Authority has constituted the DAIP for the Centre for Studies in Society and Development, School of Social Sciences with following members for a period of two years w.e.f. 13.08.2021.

#### **Centre for Studies in Society and Development School of Social Sciences**

10 (i) (a)	Chairman - Head of the Department	Chairperson/Coordinator (Ex-Officio)
10 (i) (b)	Member - Senior academician from outside the department, to be nominated by the head of HEI.	Prof. Seema Rawat, Professor, SLS
10 (i) (c)	Member - A person well versed with anti-plagiarism tools, to be nominated by the Head of the Department	Dr. Hemant Kumar, Assistant Professor, CSSTIP, SSS

**Note:** The tenure of the members in respect of points 'b' and 'c' shall be two years. The quorum for the meetings shall be 2 out of 3 members (including Chairman).

#### **Term of Reference:**

1. If any member of the academic community suspects with appropriate proof that a case of plagiarism has happened in any document, he or she shall report it to the Departmental Academic Integrity Panel (DAIP). Upon receipt of such a complaint or allegation the DAIP shall investigate the

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डॉ. सत्य प्रकाश उपाध्याय

कुलसचिव

Dr. Satya Prakash Upadhyay

Registrar

matter and submit its recommendations to the Institutional Academic Integrity Panel (IAIP) of the HEI.

2. The DAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the student, faculty, researcher and staff.
3. The DAIP shall have the power to assess the level of plagiarism and recommend penalty(ies) accordingly. After investigation, the DAIP shall submit its report with the recommendation on penalties to be imposed to the IAIP within a period of 45 days from the date of receipt of complaint / initiation of the proceedings.
4. If there is any complaint of plagiarism against any member of DAIP, then such member shall excuse himself / herself from the meeting(s) where his/her case is being discussed/investigated.
5. DAIP will certify the extent of plagiarism for M.Phil./Ph.D. thesis submitted in the Schools as per the Clause 8 of the UGC notification 2018.

  
23.8.2021  
Registrar

### Copy to: (By Email)

1. All Concerned Members
2. Dean, SSS
3. CoE (Offg.)
4. Deputy Registrar (Academic)
5. Assistant Registrar (Academic)
6. ICT Chairperson – With a request to post this notification on University Website
7. Assistant Librarian
8. HR-Dept. (For personal files of all concerned)
9. VC Secretariat
10. Notification File
11. Guard File





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**Dr. Satya Prakash Upadhyay**  
**Registrar**

**Speed Post/Regd. Post/By Hand**

**F. No. 55-88/2020/A&A/257..**

**Date: 01.07.2021**


**Notification No: 16/AA-2021-22**

The Competent Authority has constituted a Committee to organize Training programmes, promote and maximize use of Learning Management System (LMS) for online teaching and learning in the University.

The Committee comprises the following.:

1	Prof. Manish – Dean, SIS
2	Dr. Rashmi Kumbar, Assistant Professor, SLib.&ISc.
3	Dr. Bhakti Gala, Assistant Professor, SLib.&ISc.
4	Dr. Y. Vijaya Lakshmi, Assistant Professor, SE
5	Dr. G. R. Angadi, Associate Professor, SE
6	Dr. K. B. Agadi, Assistant Librarian

This is issued with approval of the Competent Authority.

  
01-07-2021  
**Registrar**

**Copy to:**

- All concerned Members
- All Deans / Chairpersons / Coordinators
- Finance Officer (Offg.)
- CoE (Offg.)
- Deputy Registrars (Academic & Admin)
- ICT Dpt.- For uploading it on University Website
- VC Secretariat
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**Note:** The Hindi version will follow.





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डॉ. सत्य प्रकाश उपाध्याय

कुलसचिव

Dr. Satya Prakash Upadhyay

Registrar

F. No. 55-55/2019-ACD/ 502

23.08.2021

## Notification No.47/AA-2021-22

**Sub:** Constitution of Departmental Academic Integrity Panel (DAIP) of School of National Security Studies.

**Ref.:** Approval of Hon'ble Vice Chancellor dated 13.08.2021.

As per UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations-2018, the Competent Authority has constituted the DAIP for the School of National Security Studies with following members for a period of two years w.e.f. 13.08.2021.

### **School of National Security Studies**

10 (i) (a)	Chairman - Head of the Department	Dean (Ex-Officio)
10 (i) (b)	Member - Senior academician from outside the department, to be nominated by the head of HEI.	Prof. Manish, Professor, SIS
10 (i) (c)	Member - A person well versed with anti-plagiarism tools, to be nominated by the Head of the Department	Dr. Bhakti Gala, Assistant Professor, SLIS

**Note:** The tenure of the members in respect of points 'b' and 'c' shall be two years. The quorum for the meetings shall be 2 out of 3 members (including Chairman).

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डॉ. सत्य प्रकाश उपाध्याय

कुलसचिव

**Dr. Satya Prakash Upadhyay**

**Registrar**

matter and submit its recommendations to the Institutional Academic Integrity Panel (IAIP) of the HEI.

2. The DAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the student, faculty, researcher and staff.
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4. If there is any complaint of plagiarism against any member of DAIP, then such member shall excuse himself / herself from the meeting(s) where his/her case is being discussed/investigated.
5. DAIP will certify the extent of plagiarism for M.Phil./Ph.D. thesis submitted in the Schools as per the Clause 8 of the UGC notification 2018.

*Upadhyay*  
23.8.2021  
**Registrar**

**Copy to: (By Email)**

1. All Concerned Members
2. CoE (Offg.)
3. Deputy Registrar (Academic)
4. Assistant Registrar (Academic)
5. ICT Chairperson – With a request to post this notification on University Website
6. Assistant Librarian
7. HR-Dept. (For personal files of all concerned)
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डॉ. सत्य प्रकाश उपाध्याय

कुलसचिव

Dr. Satya Prakash Upadhyay

Registrar

F. No. 55-55/2019-ACD/ 516.

23.08.2021

### Notification No.54/AA-2021-22

**Sub:** Constitution of Departmental Academic Integrity Panel (DAIP) of Centre for Hindi Studies, School of Language, Literature and Culture Studies.

**Ref.:** Approval of Hon'ble Vice Chancellor dated 13.08.2021.

As per UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations-2018, the Competent Authority has constituted the DAIP for the Centre for Hindi Studies, School of Language, Literature and Culture Studies with following members for a period of two years w.e.f. 13.08.2021.

### **Centre for Hindi Studies School of Language, Literature and Culture Studies**

10 (i) (a)	Chairman - Head of the Department	Chairperson/Coordinator (Ex-Officio)
10 (i) (b)	Member - Senior academician from outside the department, to be nominated by the head of HEI.	Prof. Rajesh Makwana, Professor, CGLL, SLL&CS
10 (i) (c)	Member - A person well versed with anti-plagiarism tools, to be nominated by the Head of the Department	Dr. Rashmi Kumbar, Assistant Professor, SLIS

**Note:** The tenure of the members in respect of points 'b' and 'c' shall be two years. The quorum for the meetings shall be 2 out of 3 members (including Chairman).

### **Term of Reference:**

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डॉ. सत्य प्रकाश उपाध्याय

कुलसचिव

Dr. Satya Prakash Upadhyay

Registrar

matter and submit its recommendations to the Institutional Academic Integrity Panel (IAIP) of the HEI.

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5. DAIP will certify the extent of plagiarism for M.Phil./Ph.D. thesis submitted in the Schools as per the Clause 8 of the UGC notification 2018.

  
23.8.2021  
Registrar

### Copy to: (By Email)

1. All Concerned Members
2. Dean, SLL&CS
3. CoE (Offg.)
4. Deputy Registrar (Academic)
5. Assistant Registrar (Academic)
6. ICT Chairperson – With a request to post this notification on University Website
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# ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય

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ડૉ. સત્ય પ્રકાશ ઉપાધ્યાય

કુલસચિવ

Dr. Satya Prakash Upadhyay

Registrar

F. No. 55-55/2019-ACD/518.

23.08.2021

### Notification No.56/AA-2021-22

**Sub:** Constitution of Departmental Academic Integrity Panel (DAIP) of Centre for Comparative Literature and Translation Studies, School of Language, Literature and Culture Studies.

**Ref.:** Approval of Hon'ble Vice Chancellor dated 13.08.2021.

As per UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations-2018, the Competent Authority has constituted the DAIP for the Centre for Comparative Literature and Translation Studies, School of Language, Literature and Culture Studies with following members for a period of two years w.e.f. 13.08.2021.

### **Centre for Comparative Literature and Translation Studies School of Language, Literature and Culture Studies**

10 (i) (a)	Chairman - Head of the Department	Chairperson/Coordinator (Ex-Officio)
10 (i) (b)	Member - Senior academician from outside the department, to be nominated by the head of HEI.	Prof. H B Patel, Professor and Dean, SoE
10 (i) (c)	Member - A person well versed with anti-plagiarism tools, to be nominated by the Head of the Department	Dr. Bhakti Gala, Assistant Professor, SLIS

**Note:** The tenure of the members in respect of points 'b' and 'c' shall be two years. The quorum for the meetings shall be 2 out of 3 members (including Chairman).

### **Term of Reference:**

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कुलसचिव

Dr. Satya Prakash Upadhyay

Registrar

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*S. Prakash Upadhyay*  
23.8.2021  
Registrar

### Copy to: (By Email)

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2. Dean, SLL&CS
3. CoE (Offg.)
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8. HR-Dept. (For personal files of all concerned)
9. VC Secretariat
10. Notification File
11. Guard File

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Email: [registrar@cug.ac.in](mailto:registrar@cug.ac.in), website: [www.cug.ac.in](http://www.cug.ac.in)





# गुजरात केन्द्रीय विश्वविद्यालय

(भारत की संसद के अधिनियम सं. 25, 2009 के तहत स्थापित)

## CENTRAL UNIVERSITY OF GUJARAT

(Established by an Act of Parliament of India, No 25 of 2009)

डॉ. सत्य प्रकाश उपाध्याय

कुलसचिव

Dr. Satya Prakash Upadhyay

Registrar

F. No. 55-55/2019-ACD/ 513.

23.08.2021

### Notification No.51/AA-2021-22

**Sub:** Constitution of Departmental Academic Integrity Panel (DAIP) of Centre for Studies in Social Management, School of Social Sciences.

**Ref.:** Approval of Hon'ble Vice Chancellor dated 13.08.2021.

As per UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations-2018, the Competent Authority has constituted the DAIP for the Centre for Studies in Social Management, School of Social Sciences with following members for a period of two years w.e.f. 13.08.2021.

### **Centre for Studies in Social Management School of Social Sciences**

10 (i) (a)	Chairman - Head of the Department	Chairperson/Coordinator (Ex-Officio)
10 (i) (b)	Member - Senior academician from outside the department, to be nominated by the head of HEI.	Prof. Jaya Prakash Pradhan, Professor, CSEP, SSS
10 (i) (c)	Member - A person well versed with anti-plagiarism tools, to be nominated by the Head of the Department	Dr. K B Agadi, Assistant Librarian, Central Library, CUG

**Note:** The tenure of the members in respect of points 'b' and 'c' shall be two years. The quorum for the meetings shall be 2 out of 3 members (including Chairman).

### **Term of Reference:**

1. If any member of the academic community suspects with appropriate proof that a case of plagiarism has happened in any document, he or she shall report it to the Departmental Academic Integrity Panel (DAIP). Upon receipt of such a complaint or allegation the DAIP shall investigate the

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Dr. Satya Prakash Upadhyay

Registrar

matter and submit its recommendations to the Institutional Academic Integrity Panel (IAIP) of the HEI.

2. The DAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the student, faculty, researcher and staff.
3. The DAIP shall have the power to assess the level of plagiarism and recommend penalty(ies) accordingly. After investigation, the DAIP shall submit its report with the recommendation on penalties to be imposed to the IAIP within a period of 45 days from the date of receipt of complaint / initiation of the proceedings.
4. If there is any complaint of plagiarism against any member of DAIP, then such member shall excuse himself / herself from the meeting(s) where his/her case is being discussed/investigated.
5. DAIP will certify the extent of plagiarism for M.Phil./Ph.D. thesis submitted in the Schools as per the Clause 8 of the UGC notification 2018.

*Upadhyay*  
23.8.2021  
Registrar

### Copy to: (By Email)

1. All Concerned Members
2. Dean, SSS
3. CoE (Offg.)
4. Deputy Registrar (Academic)
5. Assistant Registrar (Academic)
6. ICT Chairperson – With a request to post this notification on University Website
7. Assistant Librarian
8. HR-Dept. (For personal files of all concerned)
9. VC Secretariat
10. Notification File
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Centre for Studies in Economics & Planning,  
School of Social Sciences,  
Central University of Gujarat

**CONSTITUTION OF RESEARCH ADVISORY COMMITTEE  
FOR M.PHIL.-PH.D. STUDENTS**

**Dt: 06.01.2021**

Sr. No.	STUDENT NAME	ENROLLMENT NUMBER	PROGRAMME NAME	RAC: Members' Name
1	Hema Prakash	CUG/2014/0846	Integrated M.Phil-Ph.D. in Economics	<b>Prof. Jaya Prakash Pradhan (Convener),</b> Prof. Atanu Mohapatra, Dr. Tulika Tripathi
2	Ankur Yadav	CUG/2014/0847	Integrated M.Phil-Ph.D. in Economics	
3	Baijayanti Rout	170302003	Integrated M.Phil-Ph.D. in Economics	
4	Raghavendra Yadav	CUG/2013/0685	Integrated M.Phil-Ph.D. in Economics	
5	Sakshi Saini Saini	180602001	Integrated M.Phil-Ph.D. in Economics	
6	Arpita Sahay	190910007	M.Phil. in Economics	
7	Shubha Ranjan Patra	190910006	M.Phil. in Economics	
8	Sandhya Dwivedi	190715007	Ph.D. in Economics	
9	Anshu Verma	170302006	Integrated M.Phil-Ph.D. in Economics	<b>Prof. Sarita Agrawal (Convener),</b> Prof. Manish, Dr. Kshamanidhi Adabar
10	Bablu Sunani	180602005	Integrated M.Phil-Ph.D. in Economics	
11	Basanta Meher Meher	180602004	Integrated M.Phil-Ph.D. in Economics	
12	Md Atif Alam	16302101	Integrated M.Phil-Ph.D. in Economics	
13	Muhammed Fazal K	16302102	Integrated M.Phil-Ph.D. in Economics	
14	Murari Behera	170302004	Integrated M.Phil-Ph.D. in Economics	
15	Deepika Devi	190910004	M.Phil. in Economics	
16	Ravindra Kumar	190910003	M.Phil. in Economics	
17	Sunil Sahoo	190910001	M.Phil. in Economics	
18	Abhishek	170302001	Integrated M.Phil-Ph.D. in Economics	<b>Prof. Sarita Agrawal, Dr. Kshamanidhi Adabar (Convener),</b> Dr. Sudeep Basu
19	Ashok Nayak	16302105	Integrated M.Phil-Ph.D. in Economics	
20	Pallavi Das	180602003	Integrated M.Phil-Ph.D. in Economics	
21	Bikash Ranjan Sethy	190715005	Ph.D. in Economics	
22	Dudhalwad Malaji Laxman	190715004	Ph.D. in Economics	



23	Deeptiranjana Pradhan	190910008	M.Phil. in Economics	
24	Lavkesh Tiwari	190910002	M.Phil. in Economics	<b>Dr. Sarala Dasari (Convener),</b> Dr. Tulika Tripathi, Dr. Jaishree Ambewadikar
25	Malaya Ranjan Mohapatra	180602002	Integrated M.Phil- Ph.D. in Economics	Prof. Jaya Prakash Pradhan, <b>Dr. Tulika Tripathi (Convener),</b> Dr. Beryl Anand
26	Neha Rai	16302104	Integrated M.Phil- Ph.D. in Economics	
27	Priyanka Rajput	170302002	Integrated M.Phil- Ph.D. in Economics	
28	Balaram Roula	190910005	M.Phil. in Economics	
29	Vijay Kumar	190715002	Ph.D. in Economics	

  
**(Prof. Jaya Prakash Pradhan)**  
 Chairperson, CSEP.

For information, copy to:

- (1) All RAC members
- (2) All Concerned Research Scholars





Centre for Studies in Economics & Planning,  
School of Social Sciences,  
Central University of Gujarat

**CONSTITUTION OF RESEARCH ADVISORY COMMITTEE  
FOR M.PHIL.-PH.D. STUDENTS, 2020-21**

**Dt: 05.06.2021**

Sr. No.	STUDENT NAME	ENROLLMENT NUMBER	PROGRAMME NAME	RAC: Members' Name
1	AKANKHYA SAMAL	200910007	M.Phil. in Economics	Prof. Jaya Prakash Pradhan (Convener), Prof. Atanu Mohapatra, Dr. Tulika Tripathi
2	UTKARSH BERWAL	200910003	M.Phil. in Economics	Dr. Sarala Dasari (Convener), Dr. Tulika Tripathi, Dr. Jaishree Ambewadikar
3	RABIKANTA MAHANANDA	200715002	Ph.D. in Economics	
4	MOUSAM KUMAR PRADHAN	200910005	M.Phil. in Economics	Prof. Jaya Prakash Pradhan, Dr. Tulika Tripathi (Convener), Dr. Beryl Anand

  
(Prof. Jaya Prakash Pradhan)  
Chairperson, CSEP.

For information, copy to:

1. All RAC members
2. All Concerned Research Scholars





ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય  
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**CENTRAL UNIVERSITY OF GUJARAT**

(Established by an Act of Parliament of India, No 25 of 2009)

Centre for Studies in Society and Development

School of Social Sciences

Dr. Khaikholen Haokip

Assistant Professor & Coordinator

## Research Advisory Committee

(As per the Central University of Gujarat's Ordinance No. 11 (10), relating to the Research Advisory Committee and its functions)

Sr. No.	Name of the Ph.D. Scholar	Enrolment No.	Year of Admission	RAC Members
1	Deepak AG	CUG/2015/1153	2015	1. Dr. Sudarshan Papanna (Research Supervisor and Convener of the Committee)  2. Dr. Khaikholen Haokip, Assistant Professor, CSSD, SSS  3. Dr. Sudeep Basu Assistant Professor, CSSM, SSS

(Dr. Khaikholen Haokip)

Coordinator, CSSD/SSS

Date: 23 Sept, 2021

Copy to:

1. All Members of the Committee

ડૉ. ક્ષાઇકોલેન હાઓકિપ  
Dr. Khaikholen Haokip  
અસિસ્ટન્ટ પ્રોફેસર, સમાજ અને વિકાસ અધ્યયન કેન્દ્ર  
Assistant Professor, Centre for Studies in Society and Development  
સામાજિક વિજ્ઞાન સંસ્થાન  
School of Social Sciences  
ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય  
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Sr. No.	Name of the Ph.D. Scholar	Enrolment No.	Year of Admission	RAC Members
1	MOHD JAFAR	CUG/2014/0928	2014	1. Dr. Khaikholen Haokip (Research Supervisor and Convener of the Committee)
2	RAVI RANJAN KUMAR	CUG/2014/1103	2014	
3	SURBHI	16307103	2016	2. Dr. Sudarshan Papanna, Assistant Professor, CSSD, SSS  3. Dr. Hemant Kumar Assistant Professor, CSSTIP, SSS

  
(Dr. Khaikholen Haokip)  
Coordinator, CSSD/SSS  
Date: 23/09/2021

Copy to:

1. All Members of the Committee

डा. खाइखोलें हाओकिप  
Dr. Khaikholen Haokip  
असिस्टेंट प्रोफेसर, समाज एवं विकास अध्ययन केंद्र  
Assistant Professor, Centre for Studies and Research in Society and Development  
सामाजिक विज्ञान संस्थान  
School of Social Sciences  
गुजरात केन्द्रीय विश्वविद्यालय  
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Sr. No.	Name of the Ph.D. Scholar	Enrolment No.	Year of Admission	RAC Members
2	KANHAIYA LAL YADAV	CUG/2015/1148	2015	1. Dr. Sudarshan Papanna (Research Supervisor and Convener of the Committee)  2. Dr. Khaikholen Haokip, Assistant Professor, CSSD, SSS  3. Dr. Kunal Sinha Assistant Professor, CSSTIP, SSS

(Dr. Khaikholen Haokip)  
Coordinator, CSSD/SSS

Date: 23 September 2015

Copy to:

1. All Members of the Committee

ડૉ. કાઈકોલેન હાઓકિપ  
Dr. Khaikholen Haokip  
અસિસ્ટન્ટ પ્રોફેસર, સમાજ અને વિકાસ અધ્યયન કેન્દ્ર  
Assistant Professor, Centre for Studies and Research in Society and Development  
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ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય  
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Sr. No.	Name of the Ph.D. Scholar	Enrolment No.	Year of Admission	RAC Members
1	MADHUBANTI SEN	CUG/2015/1151	2015	1. Dr. Khaikholen Haokip (Research Supervisor and Convener of the Committee)  2. Dr. Jayashree Ambewadikar, Assistant Professor, CSSD, SSS  3. Dr. Beryl Anand Assistant Professor, CGTPS, SSS
2	AMARESH DEBBARMA	CUG/2015/1154	2015	
3	CHINGLEN LAISHRAM	CUG/2015/1155	2015	

  
(Dr. Khaikholen Haokip)  
Coordinator, CSSD/SSS  
Date: 23/09/2021

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Assistant Professor, Centre for Studies and Research in Society and Development  
જ્ઞાન સંસ્થાન  
School of Social Sciences  
ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય  
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Sr. No.	Name of the Ph.D. Scholar	Enrolment No.	Year of Admission	RAC Members
1	MANJARI NANDY	CUG/2015/1147	2015	1. Dr. Sudarshan Papanna (Research Supervisor and Convener of the Committee)  2. Dr. Jayashree Ambewadikar, Assistant Professor, CSSD, SSS  3. Dr. Parvathi K. Iyer Assistant Professor, CSSTIP, SSS

  
(Dr. Khaikholen Haokip)  
Coordinator, CSSD/SSS

Date: 23 September 2021

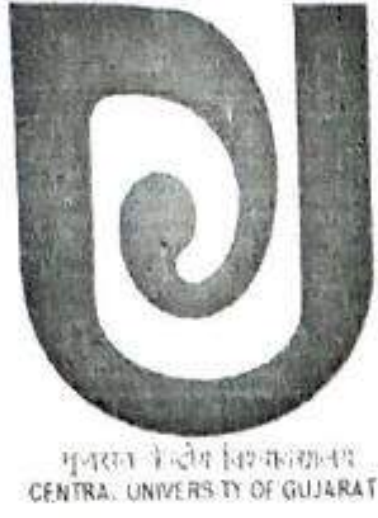
કૌ. ક્ષાઇકોલેન હાઓકિપ  
Dr. Khaikholen Haokip  
અસિસ્ટેન્ટ પ્રોફેસર, સમાજ એવ વિકાસ અધ્યયન કેન્દ્ર  
Assistant Professor, Centre for Studies and Research in Society and Development  
સમાજીય વિજ્ઞાન સંસ્થાન  
School of Social Sciences  
ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય  
Central University of Gujarat

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Assistant Professor & Coordinator

## Research Advisory Committee

(As per the Central University of Gujarat's Ordinance No. 11 (10), relating to the Research Advisory Committee and its functions)

Sr. No.	Name of the Ph.D. Scholar	Enrolment No.	Year of Admission	RAC Members
1	NEERAJ KUMAR	CUG/2013/0781	2013	1. Dr. Jayashree Ambewadikar (Research Supervisor and Convener of the Committee)
2	SAYYID ABDULLA SHAKIR	CUG/2014/0920	2014	
3	PRADHANI BAG	CUG/2014/0932	2014	
4	VASAVA LALSINGBHAI GAMBHIRBHAI	CUG/2014/0922	2014	2. Dr. Khaikholen Haokip, Assistant Professor, CSSD, SSS  3. Dr. Litty Denis Assistant Professor, CSSM, SSS

  
(Dr. Khaikholen Haokip)  
Coordinator, CSSD/SSS

Date: 23/09/2021

Dr. Khaikholen Haokip  
Assistant Professor, Centre for Studies in Society and Development  
School of Social Sciences  
Central University of Gujarat

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1. All Members of the Committee






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Sr. No.	Name of the Ph.D. Scholar	Enrolment No.	Year of Admission	RAC Members
1	PRIYANKA CHANDOLA	CUG/2015/1149	2015	1. Dr. Sudarshan Papanna (Research Supervisor and Convener of the Committee)  2. Dr. Jayashree Ambewadikar, Assistant Professor, CSSD, SSS  3. Dr. Sudeep Basu Assistant Professor, CSSM, SSS

  
(Dr. Khaikholen Haokip)  
Coordinator, CSSD/SSS  
Date: 23 Sept, 2021

Copy to:

1. All Members of the Committee

ડૉ. ક્ષાઇકોલેન હાઓકેપ  
Dr. Khaikholen Haokip  
અસિસ્ટન્ટ પ્રોફેસર, સમાજ અને વિકાસ અધ્યયન કેન્દ્ર  
Assistant Professor, Centre for Studies in Society and Development  
સેક્ટર-૨૯, ગાંધીનગર, ગુજરાત સરકાર  
Sector-29, Gandhinagar, Gujarat  
સેક્ટર-૨૯, ગાંધીનગર, ગુજરાત સરકાર  
Sector-29, Gandhinagar, Gujarat

સેક્ટર-૨૯, ગાંધીનગર-૩૮૨૦૩૦, ફોન નં - +91-9724880195, ફેક્સ-07923260076  
Sector-29, Gandhinagar, Phone No. +91-9662454238, Fax-07923260076  
Email: [khaokip@cug.ac.in](mailto:khaokip@cug.ac.in) website: [www.cug.ac.in](http://www.cug.ac.in)





ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય  
(भारत की संसद के अधिनियम सं. 25, 2009 के तहत स्थापित)  
**CENTRAL UNIVERSITY OF GUJARAT**  
(Established by an Act of Parliament of India, No 25 of 2009)  
Centre for Studies in Society and Development  
School of Social Sciences

Dr. Khaikholen Haokip  
Assistant Professor & Coordinator

### Research Advisory Committee

(As per the Central University of Gujarat's Ordinance No. 11 (10), relating to the Research Advisory Committee and its functions)

Sr. No.	Name of the Ph.D. Scholar	Enrolment No.	Year of Admission	RAC Members
1	SANJIW KUMAR MANJRE	CUG/2014/0921	2014	1. Dr. Jayashree Ambewadikar (Research Supervisor and Convener of the Committee)
2	CHANDRAKANT BHARDWAJ	CUG/2015/1150	2015	
3	ASHUTOSH VERMA	16307102	2016	2. Dr. Khaikholen Haokip, Assistant Professor, CSSD, SSS  3. Dr. Sarala Dasari, Assistant Professor, CSEP, SSS
4	OINAM TERESA KHUMANCHA	16307104	2016	

(Dr. Khaikholen Haokip)  
Coordinator, CSSD/SSS

Date: 23 September, 2021

ડૉ. ક્ષાઇકોલેન હાઓકિપ  
Dr. Khaikholen Haokip  
અસિસ્ટન્ટ પ્રોફેસર, સમાજ અને વિકાસ અધ્યયન કેન્દ્ર  
Assistant Professor, Centre for Studies and Research in Society and Development  
સામાજિક વિજ્ઞાન સંસ્થાન  
School of Social Sciences  
ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય  
Central University of Gujarat

Copy to:

1. All Members of the Committee

સેક્ટર-29, ગાંધીનગર-382030, ફોન નં - +91-9724880195, ફેક્સ-07923260076

Sector-29, Gandhinagar, Phone No. +91-9662454238, Fax-07923260076

Email: [khaokip@cug.ac.in](mailto:khaokip@cug.ac.in) website: [www.cug.ac.in](http://www.cug.ac.in)





ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય  
(ભારત કો સંસદ કે અધિનિયમ સં. 25, 2009 કે તહત સ્થાપિત)

**CENTRAL UNIVERSITY OF GUJARAT**

(Established by an Act of Parliament of India, No 25 of 2009)

Centre for Studies in Society and Development

School of Social Sciences

Dr. Khaikholen Haokip

Assistant Professor & Coordinator

## Research Advisory Committee

(As per the Central University of Gujarat's Ordinance No. 11 (10), relating to the Research Advisory Committee and its functions)

Sr. No.	Name of the Ph.D. Scholar	Enrolment No.	Year of Admission	RAC Members
1	SURESH SAUNTA	16307106	2016	1. Dr. Sudarshan Papanna (Research Supervisor and Convener of the Committee)  2. Dr. Khaikholen Haokip, Assistant Professor, CSSD, SSS  3. Dr. Hemant Kumar Assistant Professor, CSSTIP, SSS
2	ERIC JOHNSON DSOUZA	16307107	2016	

(Dr. Khaikholen Haokip)  
Coordinator, CSSD/SSS

Date: 23/09/2021

Copy to:

1. All Members of the Committee

ડૉ. ક્ષાઇકોલેન હાઓકિપ  
Dr. Khaikholen Haokip  
અસિસ્ટન્ટ પ્રોફેસર, સમાજ અને વિકાસ અધ્યયન કેન્દ્ર  
અસિસ્ટન્ટ પ્રોફેસર, સમાજ અને વિકાસ અધ્યયન કેન્દ્ર  
School of Social Sciences  
ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય  
Central University of Gujarat

સેક્ટર-29, ગાંધીનગર-382030, ફોન નં - +91-9724880195, ફેક્સ-07923260076

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Email: [khaokip@cug.ac.in](mailto:khaokip@cug.ac.in) website: [www.cug.ac.in](http://www.cug.ac.in)



**CENTRAL UNIVERSITY OF GUJARAT**  
**School of Environment and Sustainable Development**  
**PhD in Environment and Sustainable Development**

**RESEARCH ADVISORY COMMITTEE**

Name: Kainat Aziz

Enrolment No: 180705005

Course: Direct Ph.D

Ph.D. thesis title as per registration certificate/approved by CASR: Geo-environmental study and Landslide Risk Assessment of Northern Jammu Province, India

S No	Date	Progress	Remark
1.	28.01.2021	Satisfactory	<ul style="list-style-type: none"><li>To add landslide Dam formation possibility.</li><li>Improve work on publications.</li></ul>

Supervisor: Dr. Paulami Sahu and Dr. Shantanu Sarkar.

**RAC Members:**

  
Dr. Bhawana Pathak

**(Dean, SESD)**

  
Dr. Paulami Sahu

**(Supervisor)**

  
Dr Shantanu Sarkar

Chief Scientist & Group Leader  
Geotechnical Engineering  
CSIR-Central Building Research Institute (CBRI),  
Roorkee, Uttarakhand  
**(Subject Expert)**



**Central University of Gujarat**  
**School of Environment and Sustainable Development**  
**PhD in Environment and Sustainable Development**

**RESEARCH ADVISORY COMMITTEE**

Report (January – June 2021)

Name: Neha Chaudhari

Date: 13/09/2021

Enrolment No: 170311001

Course: Integrated M.phil – Ph.D (2017 batch)

**Ph.D. thesis title:** Habitat dependent variation in phytochemicals of *Celastrus Paniculatus* & its conservation strategies in South Gujarat

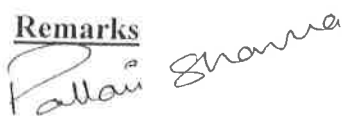
**Progress:**

- 1) Phytochemical characterization of species of different habitat: near agricultural land, near water body, forest land
- 2) Prepared protocol for experimental work & Prepared Plant extract
- 3) Soil sample digestion for ICP analysis

**Publication:**

- 1) "A Brief Review on Phytochemical and Pharmacological aspects of Andrographis Paniculata." Journal of Pharmacology & Clinical Research 2(5): 6.Asha Humbal, N. C., Supriya Vaise and Bhawana Pathak\* (2021). (Published)
- 2) "A Case Study towards Understanding the Impact of Changing Climatic Pattern on Village Resources in Indian Himalayan Region (IHR)." Journal of Uttarakhand Academy of Administration, Nainital (JUAAN) (Accepted)
- 3) Influence of Exogenous Elicitors on Production of Secondary Metabolite in Plant (Manuscript under communication)
- 4) Review writing: Conservation prioritization and distribution of *Celastrus paniculatus* in South Gujarat: Mandvi tehsil, Surat district (Manuscript under preparation)

**Remarks**



Prof. Pallavi Sharma

Subject expert

  
Prof. Bhawana Pathak  
Supervisor & Dean





- Book chapter entitled "Impact of Urbanization on mangroves" (under preparation).

**Achievement:**

I have joined the magical mangrove movement as volunteer in Gujarat and also conducted two webinars through web conferencing in the school of Ahmedabad and Jamnagar to spread the awareness among school students.

**Remark:**

Committee suggested to focus on research data compilation of analyzed data and also suggested for hard work to complete objective.



**RAC Members:**

**Prof. Pallavi Sharma**  
Subject Expert



**Prof. Bhawana Pathak**  
Supervisor and Dean



**CENTRAL UNIVERSITY OF GUJARAT**  
**School of Environment and Sustainable Development**  
**PhD in Environment and Sustainable Development**

**RESEARCH ADVISORY COMMITTEE**

Name: Pooja Kumari

Enrolment No: 180705008

Course: Direct Ph.D. (2018)

*Ph.D. thesis title as per registration certificate/approved by CASR: Estimation of Hydro-metrological Components for Soil Water Assessment in Sabarmati River Basin, using Remote Sensing and GIS*

S No	Date	Progress	Remark
1.	27-01-2021	<ul style="list-style-type: none"><li>Objective 1 completed.</li><li>Published a research paper. <a href="https://doi.org/10.1007/s12517-021-06577-7">https://doi.org/10.1007/s12517-021-06577-7</a></li><li>Working on second objective.</li></ul>	<i>Satisfactory</i>

**RAC Members:**

*Bhathak*  
Dr. Bhawana Pathak

Dean, SESD

*Kumari Rina*  
Dr. Rina Kumari

Supervisor

*R. Hiranmai*  
Dr. R. Y. Hiranmai

Subject Expert

डॉ. रीना कुमारी  
Dr. Rina Kumari  
असिस्टेंट प्रोफेसर  
Assistant Professor  
पर्यावरण एवं सतत विकास संस्थान  
School of Environment and Sustainable Development  
गुजरात केन्द्रीय विश्वविद्यालय  
Central University of Gujarat



**CENTRAL UNIVERSITY OF GUJARAT**  
**School of Environment and Sustainable Development**  
**PhD in Environment and Sustainable Development**

RESEARCH ADVISORY COMMITTEE

*Report (January -July 2021)*

**Name:** Priyanka Kumari

**Enrolment No:** 180705009

**Course:** Ph. D

**Ph.D. thesis title:** *Studies on Structural and Functional Aspects of Mangrove Ecosystem in Gulf of Khambhat, Gujarat.*

**Date of Meeting:** 13/09/2021

**Progress:**


- ✓ Prepared standard for the physicochemical analysis of soil, water and plant samples.
- ✓ Analysis of physicochemical characterization of soil and water samples (EC, pH, turbidity, chloride, hardness (Ca & Mg), sodium and potassium) was done (Februray-2021).
- ✓ Review of literature for survey questionnaire preparation.

**Remark:**

Committee suggested to standardize the methodology for objective wise and collect secondary data to relate to PhD topic.

  
**RAC Members:**

**Prof. Pallavi sharma**  
Subject expert

  
**Prof. Bhawana Pathak**  
Supervisor and Dean



**CENTRAL UNIVERSITY OF GUJARAT**  
**School of Environment and Sustainable Development**  
**PhD in Environment and Sustainable Development**

RESEARCH ADVISORY COMMITTEE

Report (July-December 2021)

**Name:** Priyanka Kumari

**Enrolment No:** 180705009

**Course:** Ph. D

**Ph.D. thesis title:** *Studies on Structural and Functional Aspects of Mangrove Ecosystem in Gulf of Khambhat, Gujarat.*

**Date of Meeting:** 11/2/2022

**Progress:**

- Data compilation of Heavy metal accumulation on mangrove ecosystem in Gulf of khambhat: Purna estuary.
- Physicochemical analysis of water, soil and plant samples completed (Pre monsoon).
- Microbial analysis for remediation- ongoing.
- Preparation of ZnO nanoparticles through green synthesis.
- ICP analysis done for water, soil and plant samples.
- Data statics analysis and interpretations- ongoing.

**Publication:**

- General article; Mangrove Conservation: Protect the Protectors Published in Paryavaran Perspective (February 2022).
- Review Paper “Mangrove species extinction: Anthropocene impact and ecological risk”- revised for submission.



## **NOTIFICATION**

### **With reference to Central University of Gujarat Ordinance 12. ORDINANCE RELATING TO THE AWARD OF DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.)**

#### **Research Advisory Committee and its functions**

There shall be a Research Advisory Committee (RAC), or an equivalent body for similar purpose as defined in the Statutes/Ordinances of the University, for each Ph.D. scholar. The Research Supervisor of the scholar shall be the Convener of this Committee. This Committee shall have the following responsibilities:

- 1.1.1 To review the research proposal and finalize the topic of research;
- 1.1.2 To guide the research scholar to develop the study design and methodology of research and identify the course(s) that he/she may have to do.
- 1.1.3 To periodically review and assist in the progress of the research work of the research scholar.
- 1.2 A research scholar shall appear before the RAC once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. The six-monthly progress reports shall be submitted by the RAC to the Centre/School with a copy to the research scholar.
- 1.3 In case the progress of the research scholar is unsatisfactory, the RAC shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the RAC may recommend to the Centre/School with specific reasons for cancellation of the registration of the research scholar.
2. No candidate admitted to Ph.D. under this Ordinance shall, without the prior permission of the School Board and before completing the minimum period prescribed in clause 6.1 above:
  - (a) undertake any employment;
  - (b) join any other course of study; or
  - (c) appear in any examination other than those prescribed by the



Department/Centre concerned, without the prior permission of the Centre/Committee for Advanced Studies and Research.

3. The Committee for Advanced Studies and Research may cancel the admission of a candidate for a breach of the provisions of clauses 6.1 and/or 10 or on account of his/her unsatisfactory progress.

**RAC committee for 2020 Batch Direct PhD candidate Parul Vats (200705002)**

- |                         |                |
|-------------------------|----------------|
| 1. Prof. Bhawana Pathak | Dean, SESD     |
| 2. Prof. R.Y.Hiranmai   | Supervisor     |
| 3. Dr. Dheeraj Rathore  | Subject Expert |

  
**Prof. Bhawana Pathak,**

**Dean, SESD**

प्रो. (डॉ.) भावना पाठक  
Prof. Bhawana Pathak  
प्रोफेसर एवं डीन/Professor & Dean  
पर्यावरण एवं सतत विकास संस्थान  
School of Environment & Sustainable Development  
गुजरात केन्द्रीय विश्वविद्यालय  
Central University of Gujarat  
सेक्टर-३०, गांधीनगर-३८२ ०३०, गुजरात  
Sec-30, Gandhinagar-382 030, Gujarat



**Central University of Gujarat**  
**School of Environment and Sustainable Development**  
**Ph.D. in Environment and Sustainable Development**

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RESEARCH ADVISORY COMMITTEE

Name: Shubham Dewangan

Date: - 27.01.2021

Enrolment No: 190705004


Course: Direct Ph.D. Environment and Sustainable Development

Ph.D. thesis title as per registration certificate: Synopsis Not Presented

S No	Date	Progress	Expert Remark
1.	27.01.2021	Not Presented	Not Presented in RAC of August 2020

  
Dr. Bhawana Pathak

Dean, SESD

  
Dr. R.Y. Hiranmai

Subject Expert

  
Dr. Dheeraj Rathore

Supervisor



**Central University of Gujarat**  
**School of Environment and Sustainable Development**  
**Ph.D. in Environment and Sustainable Development**

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**RESEARCH ADVISORY COMMITTEE**

Name: Sunil Soni

Date: - 27.01.2021


Enrolment No: 180705001


Course: Direct Ph.D. Environment and Sustainable Development

Ph.D. thesis title as per registration certificate:

Impact Assessment of Selected Nano plastics and Micro plastics on Soil-Plant Agro ecosystem\*

S No	Date	Progress	Expert Remark
1.	27.01.2021	Not Presented	Not Presented in RAC of August 2020

  
Dr. Bhawana Pathak  
Dean, SESD

  
Dr. Rajesh Singh  
Subject Expert

  
Dr. Dheeraj Rathore  
Supervisor



**CENTRAL UNIVERSITY OF GUJARAT**  
**School of Environment and Sustainable Development**  
**PhD in Environment and Sustainable Development**  
**RESEARCH ADVISORY COMMITTEE**  
(Jan–July 2021)

Name: Supriya Vaish

Enrolment No: 180705004

Course: Ph.D.

Ph.D. thesis title: *Bio-Nano Technological Approaches for Degradation of Textile Effluents.*

Date of Meeting: 13/09/2021

**Progress**

1. **Objective 1-** Sampling of Site 1 was done and physico-chemical and microbial analysis was done.
2. **Objective 2.** Collection of plant samples nearby textiles along with Mangroves. Preparation of bio sorbent from collected plant samples (Leaves, Root, Stem, and Bark) and characterized through PSA.
  - Identification of Plant species by GEER Foundation.
3. **Objective 3-** Synthesis and characterization of bio-adsorbent and bio-nano adsorbent/nanomaterial experiment was going. Synthesis of Cu/fe nanocomposite, ZnO nanoparticles were prepared. Characterization were characterized through PSA, DLS, and FTIR.
4. Correction of Review paper of nanotechnology on "Nanomaterials for textile Wastewater treatment: An Overview".
5. Correction of Review paper of nanotechnology on "Utilization of Eco-friendly natural resources used for remediation of carcinogenic dyes: A sustainable approach, journal of Environment technology and innovation.( after Review)
6. Due to Covid-19 lockdown lab work was not performed.

**Achievement:**

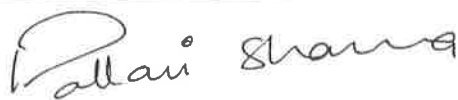
**Project –** "Bio-Nano Technological Approaches for Degradation of Textile Effluents through mangrove as a potential resource." Accepted by DST- WOS-B (18/02/2021)

**Publication (Review article)**

Humbal, A., Chaudhary, N., Vaish, S., & Pathak, B.(2021) "A Brief Review on Phytochemical and Pharmacological Aspects of *Andrographis Paniculata*." *Lupine Online Journal of Pharmacology & Clinical Research*: 264–69.

**Remark**

1. Speed up the Research work and focus on available research work.



Prof. Pallavi Sharma  
Subject Expert



Prof. Bhawana Pathak  
Supervisor & Dean



**CENTRAL UNIVERSITY OF GUJARAT**  
**School of Environment and Sustainable Development**  
**PhD in Environment and Sustainable Development**

*RESEARCH ADVISORY COMMITTEE*  
*July -December 2021*

Name: Supriya Vaish

Enrolment No: 180705004

Course: Ph.D.

*Ph.D. thesis: Bio-Nano Technological Approaches for Degradation of Textile Effluent.*

Date of Meeting: 11/02/2022

**Progress**

1. **Objective 1**-Sampling of Site 1, Site 2 & Site 3 was done and physico-chemical and microbial analysis was done.

- Microbe's identification samples through GSBTM.

2. **Objective 2.** Collection of plant samples nearby textiles along with Mangroves. Preparation of bio sorbent from collected plant samples (Leaves, Root, Stem, Bark) and characterized through PSA.

- Identification of Plant species by GEER Foundation.

3. **Objective 3**- Synthesis and characterization of bio-adsorbent and bio-nano adsorbent/nanomaterial experiment was going. Synthesis of Cu/fe nanocomposite, ZnO, Cu nanoparticles were prepared. Characterization were characterized through PSA, DLS, FTIR, XRD, BET, TGA, TEM.

4. Correction of Review paper of nanotechnology on "Nanomaterials for textile Wastewater treatment: An Overview"

5. Correction of Review paper of nanotechnology on "Utilization of Eco-friendly natural resources used for remediation of carcinogenic dyes: A sustainable approach, journal of Environment technology and innovation (Minor correction after review remarks)

**Achievement:** Book chapter on "A review on medicinal value of halotolerant *Rhizospora mucronata*: A mangrove species in Bioactives and pharmacology of Medicinal Plants edited by Pullaiah Thammineni, Apple Academic Press. (In Press).

**Remark**

1. Committee suggested for hard work to achieve objectives and complication of collected data.



Prof. Pallavi Sharma  
Subject Expert



Prof. Bhawana Pathak  
Supervisor & Dean





# Central University of Gujarat

## School of Environment and Sustainable Development

### RESEARCH ADVISORY COMMITTEE

Name: K.SUSHMA VARMA

Date: - 07.10.2021

Enrolment No: CUG/2018/180705002

Course: Direct Ph.D. Environment and Sustainable Development

Ph.D. thesis title as per registration certificate/approved by CASR:

**Energy Recovery from Landfill Waste Using Bio-electrochemical System**

S. No.	Date	Progress
1.	07.10.2021	<p><b>1. Leachate and Solid Waste Initial Characterization:-</b></p> <p><b>I.</b> Physical (pH, EC)</p> <p><b>II.</b> Chemical Analysis (COD, Sulphate concentration, Nitrate concentration, Ammonia concentration, Metals concentration)</p> <p><b>2. Ammonia and 80 mV Pre-Treatment :-</b></p> <p><b>I.</b> Characterization of Ammonia concentration, COD and Sulphate concentration, Gas volume analysis and pH</p> <p><b>3. 40 mV Post Treatment:-</b></p> <p><b>I.</b> Characterization of Ammonia concentration, COD, Sulphate concentration, Nitrate concentration, Gas volume and composition analysis</p>

### Suggestions:-

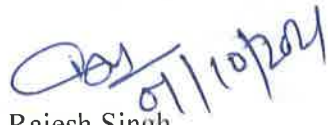
1. Identify the source of increased metal ion concentration in Post Treatment samples
2. BOD analysis may be included in physico-chemical characterization
3. Publication of Research Paper from the outcome of present study

Progress : Satisfactory

RAC Members:

  
Dr. Bhawana Pathak  
Dean, SESD

  
Dr. Dinesh Kumar  
Subject Expert

  
Dr. Rajesh Singh  
Research Supervisor



**CENTRAL UNIVERSITY OF GUJARAT**  
**School of Environment and Sustainable Development**  
**PhD in Environment and Sustainable Development**

**RESEARCH ADVISORY COMMITTEE**

Name: Sushma K. Varma

Enrolment No: 180705002

Course: PhD

*Ph.D. thesis title as per registration certificate/approved by CASR: "Energy Recovery from Landfill Waste Using Bio-electrochemical System"*

S No	Date	Progress	Remark
1.	27.01.2021	Satisfactory	



Prof. Bhawana Pathak  
Dean, SESD



Dr. Dheeraj Rathore  
Subject Expert



Dr. Rajesh Singh  
Supervisor & Convener



**CENTRAL UNIVERSITY OF GUJARAT**  
**School of Environment and Sustainable Development**  
**PhD in Environment and Sustainable Development**

**RESEARCH ADVISORY COMMITTEE**

Name: Tanushree

Enrolment No: 170311006

Course: MPhil/Ph.D

Ph.D. thesis title as per registration certificate/approved by CASR: **"An integrated approach to study Groundwater resources in Semi-arid region, Sabarmati Basin, Gujarat."**

S No	Date	Progress	Remark
1.	27.01.2021	<ul style="list-style-type: none"><li>• Submission of Manuscript entitled "A hydro-chemical and remote sensing approach to decript the groundwater salinization in coastal city of Sabarmati basin, Gujarat".</li><li>• Writing a review on "Recharge Estimation Techniques in India: A Review".</li><li>• Detailed literature survey for the objectives "Quantification of water balance in the study area" and "The treatment process of selected geogenic and anthropogenic contaminants"</li><li>• Book chapter online 'Seawater intrusion and salinity mapping in coastal aquifers: A Geospatial approach'</li></ul>	satisfactory

**RAC Members:**

Dean SESD

Dr. Bhawana Pathak

Supervisor

Dr. Rina Kumari

Subject Expert

Dr. R.Y. Hiranmai

डॉ. रीना कुमारी

Dr. Rina Kumari

असिस्टेंट प्रोफेसर

Assistant Professor

पर्यावरण एवं सतत् विकास संस्थान

School of Environment and Sustainable Development

गुजरात केन्द्रीय विश्वविद्यालय

Central University



**CENTRAL UNIVERSITY OF GUJARAT**  
**School of Environment and Sustainable Development**  
**PhD in Environment and Sustainable Development**

**RESEARCH ADVISORY COMMITTEE**


Name: Tarun Kumar Ahirwar  
Enrolment No: 170311005  
Course: Integrated M.Phil.-Ph.D. in Environment and Sustainable Development


*Ph.D. thesis title as per registration certificate/approved by CASR*  
**Development of a Sustainable Wind Energy System at Low Wind Speed Using Computational Fluid Dynamics and 3-D Modelling**


S No	Date	Progress	Remark
1.	28.01.2021	Satisfactory	1. Incorporate the concept of Perturbation Factor in the study. 2. Use the terminology of upwind and downwind direction at respective places. 3. Write a paper with relevance to the research topic.

Supervisor: Dr. Paulami Sahu and Dr. Prashant Baredar

**RAC Members:**

  
Dr. Bhawana Pathak  
(Dean, SESD)

  
Dr. Paulami Sahu  
(Supervisor)

  
Dr. Prashant Baredar  
Professor and Head,  
Department of Energy,  
MANIT  
Bhopal, M.P.  
(Subject Expert)



**School of Environment and Sustainable Development**

**Central University of Gujarat**

**Presentation of six-month progress before Research Advisory Committee**

**Date: 13.01.2022**

**Time: 3.00 pm**

**Online Mode**

**PhD candidates:**

**1. Name: AJAY NEERAJ (2018-19 batch)**

**Enrolment No.: 180705006**

**Title: Reclamation of Saline Sodic Agricultural Soil Along Indo-Gangetic Plain of Uttar Pradesh Using Bio-waste. Approval Date: 15 July 2020**

**2. Name: PARUL VATS (2020-21 batch)**

**Enrolment No : 200705002**

**RAC committee**

- |                         |                |
|-------------------------|----------------|
| 1. Prof. Bhawana Pathak | Dean, SESD     |
| 2. Prof. R.Y.Hiranmai   | Supervisor     |
| 3. Dr. Dheeraj Rathore  | Subject Expert |

  
**Signature of Dean, SESD**

Prof. Bhawana Pathak  
Dean, School of Environment and Sustainable Development  
Central University of Gujarat  
Sec-30, Gandhinagar-382 030, Gujarat



## **NOTIFICATION**

### **With reference to Central University of Gujarat Ordinance 12. ORDINANCE RELATING TO THE AWARD OF DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.)**

#### **Research Advisory Committee and its functions**

There shall be a Research Advisory Committee (RAC), or an equivalent body for similar purpose as defined in the Statutes/Ordinances of the University, for each Ph.D. scholar. The Research Supervisor of the scholar shall be the Convener of this Committee. This Committee shall have the following responsibilities:

- 1.1.1 To review the research proposal and finalize the topic of research;
- 1.1.2 To guide the research scholar to develop the study design and methodology of research and identify the course(s) that he/she may have to do.
- 1.1.3 To periodically review and assist in the progress of the research work of the research scholar.
- 1.2 A research scholar shall appear before the RAC once in six months to make a presentation of the progress of his/her work for evaluation and further guidance. The six-monthly progress reports shall be submitted by the RAC to the Centre/School with a copy to the research scholar.
- 1.3 In case the progress of the research scholar is unsatisfactory, the RAC shall record the reasons for the same and suggest corrective measures. If the research scholar fails to implement these corrective measures, the RAC may recommend to the Centre/School with specific reasons for cancellation of the registration of the research scholar.
2. No candidate admitted to Ph.D. under this Ordinance shall, without the prior permission of the School Board and before completing the minimum period prescribed in clause 6.1 above:
  - (a) undertake any employment;
  - (b) join any other course of study; or
  - (c) appear in any examination other than those prescribed by the



Department/Centre concerned, without the prior permission of the Centre/Committee for Advanced Studies and Research.

3. The Committee for Advanced Studies and Research may cancel the admission of a candidate for a breach of the provisions of clauses 6.1 and/or 10 or on account of his/her unsatisfactory progress.

**RAC committee for 2020 Batch Direct PhD candidate Parul Vats (200705002)**

- |                         |                |
|-------------------------|----------------|
| 1. Prof. Bhawana Pathak | Dean, SESD     |
| 2. Prof. R.Y.Hiranmai   | Supervisor     |
| 3. Dr. Dheeraj Rathore  | Subject Expert |

  
**Prof. Bhawana Pathak,**

**Dean, SESD**

प्रो. (डॉ.) भावना पाठक  
Prof. Bhawana Pathak  
प्रो. केसर एवं डीन/Professor & Dean  
पर्यावरण एवं सतत विकास संस्थान  
School of Environment & Sustainable Development  
गुजरात केन्द्रीय विश्वविद्यालय  
Central University of Gujarat  
सेक्टर-३०, गांधीनगर-३८२ ०३०, गुजरात  
Sec-30, Gandhinagar-382 030, Gujarat



Dt-14/09/2021

**Minutes of the meeting**

**For the 3<sup>rd</sup> RAC**

The online RAC meeting was arranged to monitor the progress of Mr. Jigar kumar B. Solanki (Enrollment no. 190705003) on 09-September-2021 at 4.30 to 5.00 PM. The Following committee members were present:

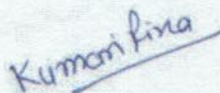
1. Prof. Bhawana Pathak – Dean, SESD, CUG.
2. Dr. Rina Kumari – Convener and Assistant professor, SESD, CUG.
3. Dr. Prashant K. Srivastava – Assistant professor, Institute of Environment and Sustainable Development, Banaras Hindu University.

The progress of the work was presented by Mr. Jigarkumar, followed by question-answer by committee members. His work was satisfactory. The committee also recommended to start his non-net fellowship from April-2021 onwards.



Prof. Bhawana Pathak

Dean, SESD



Dr. Rina Kumari

PI & Assistant professor, SESD



Dr. Prashant Srivastava

Assistant professor, BHU

Dr. P.K. Srivastava  
Assistant Professor  
Institute of Environment &  
Sustainable Development  
Banaras Hindu University  
Varanasi-221005, U.P.





गुजरात केन्द्रीय विश्वविद्यालय  
(भारत की संसद के अधिनियम सं. 25, 2009 के तहत स्थापित)  
**CENTRAL UNIVERSITY OF GUJARAT**  
(Established by an Act of Parliament of India, No 25 of 2009)

**MINUTES OF THE RAC MEETING HELD ON 12<sup>th</sup> and 15<sup>th</sup> FEBRUARY 2021.**


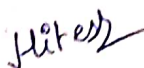
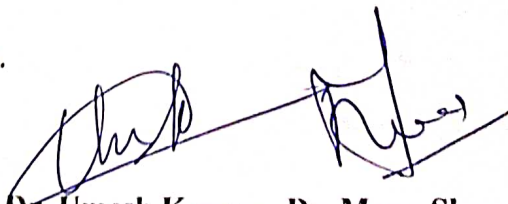
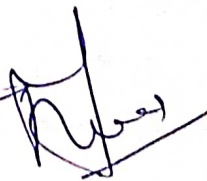
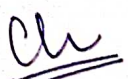
The RAC meeting of School of NanoSciences was held on 12.02.2021 and 15.02.2021 at 11 AM in the Conference Room, Sector-30, CUG Campus.

- The following members were present.
  1. Prof. Indrani Banerjee, Dean, SNS
  2. Dr. Charu Lata Dube, Assistant Professor, SNS
  3. Dr. Umesh Kumar, Assistant Professor, SNS
  4. Dr. Hitesh Kulhari, Assistant Professor, SNS
  5. Dr. Manu Sharma, Assistant Professor, SNS
- Following students have given the presentation in front of RAC members.

Sr. No	Student Name	Date
01	Sejal Chauhan	12.02.2021
02	Tulshi Shiyani	12.02.2021
03	Ashutosh Dubey	12.02.2021
04	Varun Pratap Singh	15.02.2021
05	Ritu Kumari Pania	12.02.2021
06	Shivkumar Patel	15.02.2021
07	Kaushal Kadia	15.02.2021
08	Divya Bharti Rai	15.02.2021
09	Gunjan Vyas	15.02.2021

- The RAC committee reports of above students have been enclosed. After looking into the progress of the students, the committee asked following students to present again for satisfactory progress on 12<sup>th</sup> March 2021 in front of RAC.
- The application of Mr. Amit Kumar Srivastav has been received from his guide Dr. Umesh Kumar, Asst.Prof., SNS regarding unable to present in RAC due to medical reason. of Mr. Amit Kumar Srivastav. The committee accepted the application and allowed him to present the work progress in upcoming RAC.
- Names of student for presentation on 12<sup>th</sup> March 2021 are:
  1. Ms. Divya Bharti Rai
  2. Mr. Kaushal Kadiya
  3. Mr. Ashutosh Dubey

The meeting ended with thanks to the chair.

      
Prof. Indrani Banerjee Dr. Hitesh Kulhari Dr. Umesh Kumar Dr. Manu Sharma Dr. Charu Lata Dube

सेक्टर-30, गांधीनगर-382030, Sector-30, Gandhinagar,

website: [www.cug.ac.in](http://www.cug.ac.in)





**गुजरात केन्द्रीय विश्वविद्यालय**  
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**CENTRAL UNIVERSITY OF GUJARAT**  
(Established by an Act of Parliament of India, No 25 of 2009)

**Dr. Sony Kunjappan**, M.S.W (TISS); PhD (Law and Governance, JNU)  
Coordinator &  
Assistant Professor (Senior Scale)  
Centre for Studies in Social Management  
School of Social Sciences

**By Hand/Speed Post/E-Mail/Fax**

17<sup>th</sup> March 2021

**Notification on the Constitution of Research Advisory Committee**

**Centre for Studies in Social Management  
School of Social Sciences**

Stated below are the Research Advisory Committee's (RAC), as against each of the Research Student at Centre for Studies in Social Management, School of Social Sciences. The RAC may conduct the meetings as per the Ordinance of our University and submit progress reports of students accordingly.

Year of admission	Registration Number	Ph.D Student	<b><u>Research Advisory Committee</u></b>
2017-18	170317001	Jasmy C Anto	(1) Prof. Bhawana Pathak, Dean, School of Environment and Sustainable Development (SESD), CUG (2) Dr. Sony Kunjappan, Coordinator, CSSM (3) Dr. Litty Denis – Convenor, RAC
2017-18	170317002	Jitendra Singh	(1) Prof. Bhawana Pathak, Dean, School of Environment and Sustainable Development (SESD), CUG (2) Dr. Sony Kunjappan, Coordinator, CSSM (3) Dr. Litty Denis – Convenor, RAC
2017-18	170317003	Chhote Lal Yadav	(1) Prof. Balaji Ranganathan, Chairperson, Centre for Comparative Literature and Translation Studies (CCLTS), School of Language, Literature and Cultural Studies (SLL & CS), CUG (2) Dr. Sony Kunjappan, Coordinator, CSSM (3) Dr. Sudeep Basu – Convenor, RAC





**ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય**  
(भारत की संसद के अधिनियम सं. 25, 2009 के तहत स्थापित)  
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**Dr. Sony Kunjappan**, M.S.W (TISS), PhD (Law and Governance, JNU)

Coordinator &

Assistant Professor (Senior Scale)

Centre for Studies in Social Management

School of Social Sciences

**By Hand/Speed Post/E-Mail/Fax**

2017-18	170317004	Rachel Irene Davidd'Silva	(1)Prof. Balaji Ranganathan, Chairperson, CCLTS, SLL&CS, CUG (2) Dr. Sony Kunjappan, Coordinator, CSSM (3) Dr. Sudeep Basu – Convenor, RAC
2018-19	180704001	Manish Kumar Mishra	(1) Prof. Bhawana Pathak, Dean, SESD, CUG (2) Dr. Sony Kunjappan , Coordinator, CSSM (3) Dr. Sudeep Basu – Convenor, RAC
2018-19	180704002	Deepak Kumar Swain	(1)Prof. H B Patel, Dean, School of Education, CUG (2) Dr. Jayendrakumar Amin, SE, CUG (3) Dr. Sony Kunjappan – Convenor, RAC
2018-19	180704003	Pithadiya Hitendra	(1) Professor Rajesh Makwana, Chairperson Centre for Gujarati Language And Literature, (CGLL), SLL & CS, CUG (2) Dr. Jayendrakumar Amin, SE, CUG (3)Dr. Sony Kunjappan – Convenor, RAC
2018-19	180704004	Solanki Jayesh	(1) Prof. H B Patel, Dean, School of Education, CUG (2) Dr. Sony Kunjappan, Coordinator, CSSM (3) Dr. Litty Denis – Convenor, RAC
2019-20	190704001	Pooja Kishan Ashar	(1)Prof. H B Patel, Dean, School of Education, CUG (2) Dr. Jayendrakumar Amin, SE, CUG (3) Dr. Sony Kunjappan – Convenor, RAC
2019-20	190704002	Aslam Moideen CA	(1) Dr. Arun Vishwanathan, Associate Professor, School of National Security studies, CUG

Sector - 29, Gandhinagar - 382030, , Tele fax: 079 23260076

E-mail: [sony@cug.ac.in](mailto:sony@cug.ac.in) / [sonycug2020@gmail.com](mailto:sonycug2020@gmail.com), Website: [www.cug.ac.in](http://www.cug.ac.in)





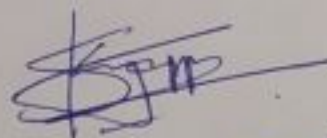
ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય  
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Coordinator &  
Assistant Professor (Senior Scale)  
Centre for Studies in Social Management  
School of Social Sciences

**By Hand/Speed Post/E-Mail/Fax**

			(2) Dr. Jayesdrakumar Amin, Associate Professor, SE, CUG (3) Dr. Sony Kunjappan – Convenor, RAC
2020-21	200704002	Pooja Yadav	(1) Prof. Balaji Ranganathan, Chairperson, CCLTS, SLL&CS, CUG (2) Dr. Sony Kunjappan, Coordinator, CSSM (3) Dr. Sudeep Basu – Convenor, RAC

The above Research Advisory Committees (RAC) has the approval of Dean, School of Social Sciences.

  
Sony Kunjappan **Coordinator**  
**Center for Studies in Social Management**  
**School of Social Sciences**  
**Central University of Gujarat**

Copy to:

1. Dean, School of Social Sciences
2. All the Research Advisory Committee (RAC) members
3. All the Research Scholars of CSSM



# 3.4.1

## Minutes of the faculty meeting held on December 23, 2020 at 12:15 PM

Following faculty members were present in the online meeting:

1. Dr Parvathi K. Iyer, Assistant Professor, CSSTIP
2. Dr Shiju Sam Varughese, Assistant Professor, CSSTIP
3. Dr Kunal Sinha, Assistant Professor, CSSTIP
4. Dr Hemant Kumar, Assistant Professor and Coordinator CSSTIP

### Agenda

1. To discuss the Research Advisory Committee (RAC) and mentor for CSSTIP students.
2. Allocation of supervisors for 2020-21 batch.
3. Any other item

### Decisions taken:

1. As per CUG ordinance, Batch wise RAC committee was formed for the following students.

### Batch 2014-15

Sr. No.	Name and Enrollment No.	Contact details	Supervisor/Mentor	RAC Member
3	Astha Kumari Jaiswal CUG/2014/0808	940804891 bodhishikha11@gmail.com	Hemant Kumar	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr JagnathamBegari
5	Rajni Gupta CUG/2014/0812	7048430344 rajni.muskan01@gmail.com	Hemant Kumar	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr JagnathamBegari
6	Reena K. Joseph CUG/2014/0813	9428785851 reenakjoseph@gmail.com	Parvathi K Iyer	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr JagnathamBegari
7	Harish Puri Goswami CUG/2014/0814	9825359779 puriharish2005@gmail.com	Parvathi K Iyer	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr JagnathamBegari



**Batch 2015-16**

<b>Sr. No.</b>	<b>Name and Enrollment No.</b>	<b>Contact details</b>	<b>Supervisor/Mentor</b>	<b>RAC Member</b>
<b>1</b>	RachanDaimary CUG/2015/1135	8876693964 rachandaimary89@gmail.com	Hemant Kumar	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Priyaranjan Kumar
<b>2</b>	Diwakar Kumar CUG/2015/1139	7383127226 fromdiwakarsahay@gmail.com	Parvathi K Iyer	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Priyaranjan Kumar
<b>3</b>	Maneesh Dubey CUG/2015/1140	9415788204 dubeymanish972@gmail.com	Kunal Sinha	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Priyaranjan Kumar
<b>4</b>	Chauhan NilkamalAnilbhai CUG/2015/1141	8238795633 cnilkamal9@gmail.com	Shiju Sam Varughese	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Priyaranjan Kumar

**Batch 2016-17**

<b>Sr. No.</b>	<b>Name and Enrollment No.</b>	<b>Contact details</b>	<b>Supervisor/Mentor</b>	<b>RAC Member</b>
<b>1</b>	Chandrasah Patel 16308101	8905170166 patel.chandrasah@gmail.com	Kunal Sinha	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Khaikholen Haokip
<b>2</b>	Surbhi Singh 16308102	9531880148 surabhisingh1892@gmail.com	Parvathi K Iyer	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Khaikholen Haokip
<b>3</b>	Lakhinandan Boruah	8486567046 boruahlk@gmail.com	Hemant Kumar	Dr Parvathi K Iyer, Dr Shiju Sam



	16308103			Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Khaikholen Haokip
4	Blesil T K 16308105	9846377888 blessilkunju@gmail.com	Shiju Sam Varughese	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Khaikholen Haokip

**Batch 2018-19**

Sr. No.	Name and Enrollment No.	Contact details	Supervisor/Mentor	RAC Member
1	Mohd Ear Ali Mondal 180901001	8910014794 teenal992786@gmail.com	Kunal Sinha	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Priyaranjan Kumar

**Batch 2019-20**

Sr. No.	Name and Enrollment No.	Contact details	Supervisor/Mentor	RAC Member
1	DHRITIMAN BARMAN 190901001	9435709061 dhritimanbarman95@gmail.com	Hemant Kumar	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Sudeep Basu
2	JYOTI 190901002	8160453562 janvijyoti824@gmail.com	Parvathi K Iyer	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Sudeep Basu
3	KUMAR GAURAV 190901003	9087220875 kg9661574852@gmail.com	Shiju Sam Varughese	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Sudeep Basu
4	TALSANIYA	7227850099	Kunal Sinha	Dr Parvathi K



	GAURAVKUMAR KANAIYALAL 190901004	gauravtalsaniya@hotmail.com		Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Sudeep Basu
5	PRIYANKA MALLICK 190712001	7873163212 priyankaamallick@gmail.com	Shiju Sam Varughese	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Sarala Dasari

2. Allocation of faculty supervisor for 2020-21 batch.

Sr. No.	Name and Enrollment No.	Contact details (Email & Mobile No.)	Supervisor/Mentor
1	VIJAY KUMAR 200901001	vij_bhaskar92@rediffmail.com 7042906387	Dr Shiju Sam Varughese
2	SHAILJA JHALDIYAL 200901002	niki.jhldyl@gmail.com 8865030636	Dr Parvathi K Iyer
3	UMILA LAISHRAM 200901003	umilaish62@gmail.com 9366445839	Dr Hemant Kumar

3. There was no other agenda item.

Dr Parvathi K Iyer

Dr Shiju Sam Varughese

Dr Kunal Sinha

Dr Hemant Kumar  
Coordinator, CSSTIP



**Minutes of the meeting held of the faculty of CSSTIP/SSS at 5PM on August 12, 2021  
through online mode**

The following members were present during the students' presentation through online mode.

1. Dr Parvathi K. Iyer, Assistant Professor, CSSTIP
2. Dr Shiju Sam Varughese, Assistant Professor, CSSTIP
3. Dr Kunal Sinha, Assistant Professor, CSSTIP
4. Dr Hemant Kumar, Assistant Professor and Coordinator CSSTIP

**Agenda**

1. To decide the RAC for 2020-21 MPhil Batch.
2. To decide the eligibility criteria for Admission in PhD programme for Academic Year 2021-22.
3. To discuss the courses offered by the Centre under NEP.
4. Any other item

**Decisions taken:**

1. The Research Advisory Committee (RAC) for MPhil Batch 2020-21 was decided as follows:

Sr. No.	Name and Enrollment No.	Contact details	Supervisor/ Mentor	RAC Members
1	VIJAY KUMAR 200901001	vij_bhaskar92@rediffmail.com 7042906387	Dr Shiju Sam Varughese	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Mr Smruti Ranjan Dhal
2	SHAILJA JHALDIYAL 200901002	niki.jhldyl@gmail.com 8865030636	Dr Parvathi K Iyer	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Khaikholen Haokip

2. As per the guidelines by the Admission Committee 2021-22, the eligibility criteria for PhD admission in CSSTIP is NET, JRF, SLET, GATE or MPhil in any subject and PG in any Discipline.
3. Two courses “**Science and Society**” and “**History of Science and Technology in India**” will be offered by the centre at the University level under NEP. The detailed syllabus will be prepared by all the four faculty members of the centre.
4. There was no other item for discussion.

Dr Parvathi K Iyer

Dr Shiju Sam Varughese

Dr Kunal Sinha

Dr Hemant Kumar  
Coordinator, CSSTIP

**Centre for Studies in Science, Technology and Innovation Policy**  
**School of Social Sciences**  
**Central University of Gujarat, Gandhinagar, Gujarat-382030**

PhD research scholars (Batch 2021-22) and MPhil-PhD Student (2015-16 batch) presentation in front of Research Advisory Committee (RAC) for the Monsoon Semester 2021-22 from 11 AM onwards on February 10, 2022. Through online mode on Google meet: <http://meet.google.com/knh-rern-iwt>

**MPhil-PhD Student (Batch 2015-16)**

<b>Sr. No.</b>	<b>Name of the Student</b>	<b>Enrollment No.</b>	<b>Name of the Supervisor/Mentor</b>	<b>Research Advisory Committee</b>
1	Chauhan Nilkamal Anilbhai	CUG/2015/1141	Dr. Kunal Sinha	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Priyaranjan Kumar

**PhD Students Batch 2021-22**

<b>Sr. No.</b>	<b>Name of the Student</b>	<b>Enrollment No.</b>	<b>Name of the Supervisor/Mentor</b>	<b>Research Advisory Committee</b>
1	Ms Athira P Kumar	210712001	Dr Hemant Kumar	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Beryl Anand
2	Mr Kumar Gaurav	210712002	Dr Shiju Sam Varughese	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Sudeep Basu
3	Mr Narendra Pratap	210712003	Dr Kunal Sinha	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Shrish Kumar Tiwari
4	Ms Shailja Rajendra Prasad Jhaldiyal	210712004	Dr Parvathi K Iyer	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Sudeep Basu
5	Mr Gauravkumar Kanaiyalal Talsaniya	210712005	Dr Kunal Sinha	Dr Parvathi K Iyer, Dr Shiju Sam Varughese, Dr Kunal Sinha, Dr Hemant Kumar, Dr Sudeep Basu

Hemant Kumar, Coordinator

CSSTIP/SSS



Course No: STI 651

## **Research Methodology-II (Technology Futures Analysis)**

Semester II/ Paper I

(Credits: 02)

### **Course Objective**

In the previous semester we looked into qualitative research methods. In this semester the focus is on developing understanding of quantitative tools and techniques of research with special reference to the domain of future studies in science policy.

### **Course Description**

This course intends to cover historical context of quantitative methods and some specific tools and techniques used in the field of science policy studies. Technology Future Analysis (TFA) is one of the major areas of technological analysis and has emerged in the last few decades. We also intend to introduce statistical concepts used to measure social and scientific phenomenon. The exercises will focus on use of statistical software packages such as SPSS, STATA, and Social Network Analysis.

### **Mode of Evaluation**

Term papers, seminar presentations and other assignments (Weightage: 50%) along with an End Semester examination (Weightage: 50%). Participation in class room discussions and activities is essential.

### **Instruction Method**

Lecture-cum seminar and field work

1. **Introduction:** What are the major Concepts, Approaches, Historical Perspective on Technology Assessment and Forecasting, Technological Foresight, Comparison of TATF, Foresight and TFA, Role of TFA, Relevance of TFA to the Developing Countries, Ethical Issues and Overall Socioeconomic TA, Horizon scanning, Innovation foresight.
  - a. **Major Issues:** Temporal and Sectoral Dimensions, Ideological Dimensions, Boundary Conditions and Core Assumption, Validation and Public Participation.
  - b. **TATF Structures in India** and Developed Countries Changing Patterns in Private (Business Planning) and Public Sector Assessment.
  - c. **Major Techniques in Technology Assessment:** Historical Surveys, Cost Benefit Analysis, Input/output Analysis, System Analysis, Cross Impact, EIA, Risk Analysis, Overall socioeconomic TA.
  - d. **Major Techniques:** Normative and Exploratory Techniques: Delphi, Analogy, Growth Curves, Trend Extrapolation, Analytical Models,

Breakthrough Rate, Scenario Writing, Relevance Tree, Morphological Analysis.

2. **Technology Road Mapping:** Typology of Socio-Technical Transitions, Sustaining vs. Disruptive Technologies, Complex Technology Sub-System, Typology of Roadmaps (a) product planning (b) service/capability planning (c) strategic planning; (d) Long-range planning (e) knowledge asset planning (f) program planning (g) process planning; (h) Integration planning
  - a. **TRIZ analysis** (*Teoriya Resheniya Izobreatatelskikh Zadatch*): Theory of invention: How inventors invent? Theory of increasing ideality
3. **Technology Futures Analysis:** Umbrella Concept for Multiple Methods, Multi Actor Context, Participative Approach, Process Management, Negotiation Oriented Approaches, Dialectic Approach
4. **Quantitative Research Methods:** Introduction to quantitative techniques and fundamentals of quantitative research, Hypothesis development and testing, Data collection methods, Sampling and measurement, Descriptive statistics. Basic SPSS and STATA skills, Review of Statistical Concepts Useful for Causal Inference, Bi-variate analysis, Regression, Correlation, Multivariate analysis. Debating quantitative research techniques.
5. **Academic Writing:** How to prepare a research report? - review of literature- writing a research paper-referencing and citation methods- style sheets- bibliography-peer review process-what is plagiarism? -Types of plagiarisms- similarity index-anti-plagiarism software.

## Readings

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- Arie Rip, Thomas Misa and John Schot (eds) (1995), *Managing Technology in Society: The Approach of Constructive Technology Assessment*. Pinter, London.
- Arnstein, S.R. and Christakis, A.N. (1976), "Perspectives on Technology Assessment", *Methodologies in Perspective*, Science and Technology Publishers, Jerusalem.
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- Ayres, Rober U. (1969), *Technology Forecasting and Long-Range Planning* (New York: McGrawHill).
- Balachandra, R. (1980), "Perceived Usefulness of Technological Forecasting Techniques", *Technological Forecasting and Social Change* 16, 155-166.
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- Cetron, Marvin (1982), *Encounters with the Future: A Forecast of Life into the Twenty-first Century*, McGrawHill, New York.
- Chatel, Bertrand H. (1979), "Technology Assessment and Developing Countries", *Technological Forecasting and Social Change* 13: 203-211.





# ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય

(भारत की संसद के अधिनियम सं. 25, 2009 के तहत स्थापित)

## CENTRAL UNIVERSITY OF GUJARAT

(Established by an Act of Parliament of India, No 25 of 2009)

ડૉ. સત્ય પ્રકાશ ઉપાધ્યાય

कुलसचिव

Dr. Satya Prakash Upadhyay

Registrar

F. No. 55-55/2019-ACD/ 514.

23.08.2021

### **Notification No.52/AA-2021-22**

**Sub:** Constitution of Departmental Academic Integrity Panel (DAIP) of Centre for Studies in Science, Technology and Innovation Policy, School of Social Sciences.

**Ref.:** Approval of Hon'ble Vice Chancellor dated 13.08.2021.

As per UGC (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions) Regulations-2018, the Competent Authority has constituted the DAIP for the Centre for Studies in Science, Technology and Innovation Policy, School of Social Sciences with following members for a period of two years w.e.f. 13.08.2021.

### **Centre for Studies in Science, Technology and Innovation Policy School of Social Sciences**

10 (i) (a)	Chairman - Head of the Department	Chairperson/Coordinator (Ex-Officio)
10 (i) (b)	Member - Senior academician from outside the department, to be nominated by the head of HEI.	Prof. Pallavi Sharma, Dean (I/c), SNS
10 (i) (c)	Member - A person well versed with anti-plagiarism tools, to be nominated by the Head of the Department	Dr. Sudarshan Papanna, Assistant Professor, CSSD, SSS

**Note:** The tenure of the members in respect of points 'b' and 'c' shall be two years. The quorum for the meetings shall be 2 out of 3 members (including Chairman).

### **Term of Reference:**

1. If any member of the academic community suspects with appropriate proof that a case of plagiarism has happened in any document, he or she shall report it to the Departmental Academic Integrity Panel (DAIP). Upon

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# ગુજરાત કેન્દ્રીય વિશ્વવિદ્યાલય

(भारत की संसद के अधिनियम सं. 25, 2009 के तहत स्थापित)

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ડૉ. સત્ય પ્રકાશ ઉપાધ્યાય

કુલસચિવ

Dr. Satya Prakash Upadhyay

Registrar

receipt of such a complaint or allegation the DAIP shall investigate the matter and submit its recommendations to the Institutional Academic Integrity Panel (IAIP) of the HEI.

2. The DAIP shall follow the principles of natural justice while deciding about the allegation of plagiarism against the student, faculty, researcher and staff.
3. The DAIP shall have the power to assess the level of plagiarism and recommend penalty(ies) accordingly. After investigation, the DAIP shall submit its report with the recommendation on penalties to be imposed to the IAIP within a period of 45 days from the date of receipt of complaint / initiation of the proceedings.
4. If there is any complaint of plagiarism against any member of DAIP, then such member shall excuse himself / herself from the meeting(s) where his/her case is being discussed/investigated.
5. DAIP will certify the extent of plagiarism for M.Phil./Ph.D. thesis submitted in the Schools as per the Clause 8 of the UGC notification 2018.

*Spadhyay*  
23.8.2021  
Registrar

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# गुजरात केन्द्रीय विश्वविद्यालय

(भारत की संसद के अधिनियम सं. 25, 2009 के तहत स्थापित)

**CENTRAL UNIVERSITY OF GUJARAT**

(Established by an Act of Parliament of India, No 25 of 2009)

## अकादमिक शुचिता सत्यापन प्रमाणपत्र / Plagiarism Verification

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## SEMESTER I COURSES

COURSE NO	COURSE TITLE	CREDIT
<b>SOC-401</b>	<b>RESEARCH METHODOLOGY-I (Core)</b>	<b>4</b>

<i>Pre-requisites for the Course:</i> None		
<i>Course Objective:</i> This course will familiarize the students with the philosophical premises of social science research. Further, it will introduce students to diverse theoretical perspectives and methodological tools in carrying out research.		
On completion of the course, the students will be able to:		
Unit-I	LO1	Understand philosophy of science and theoretical foundation of social science research.
Unit-II	LO2	Explain of methodological perspectives, politics and ethics of social science research.
Unit-III	LO3	Describe uniqueness of social science research and research process in social sciences.
Unit-IV	LO4	Know the usage of statistics and organization of statistical survey.

Didactics: Lectures and Assignments

Evaluation: Mid semester exam: 20%, Class Participation: 10 %, field work-based Assignment: 20% and Semester end exam: 50%.

### **Unit- 1:**

**16 Hours**

An Introduction to Philosophy of Science and Theory in Social Science

- a) What is social science? Issues in understanding reality.
- b) Paradigm, Theory, how to construct a theory? and Integration of Theory and Empirical Data
- c) Ontology, Epistemology, Methodology
- d) Empiricism and Positivism
- e) Debate on objectivity vs. subjectivity, facts and interpretation, hermeneutics

### **Unit- 2:**

**20 Hours**

- A. Methodological Perspectives
  - a) Positivist and Post-Positivist
  - b) Interpretive
  - c) Grounded theory
  - d) Feminist
  - e) The Comparative Approach
- B. Politics of Knowledge and Research
- C. Ethics in Social Science Research



**Unit- 3:****10 Hours****A. Introduction to Social Science Research**

- a) What is research? – Deductive Research and Inductive Research
- b) Why do research? – Exploration, Description, Explanation
- c) How is social science research different from others?
- d) Overview of the research process

**B. Types of Research:**

- a) Quantitative
- b) Qualitative
- c) Mixed

**Unit-4:****14 Hours****Introduction to Statistics:**

- a) Why we need statistics
- b) Testing of Hypothesis
- c) Organizing statistical survey: types of statistical unit, source of data, techniques of data collection, processing of data and preparation of report

**Essential Readings**

Benton, T. And Craib, I. (2001). *Philosophy of Social Science: The Philosophical Foundations of Social Thought*. New York: Palgrave.

Blaikic, N. (1993). *Approaches to Social Enquiry*. Polity Press

Bloc, Marc, (1964). *Historian's Craft*, Vintage , 1964

Bryman, A. (1988). *Quality and Quantity in Social Research*. London: Unwin Hyman  
Carr, E. H., (1967). *What is History*, Vintage,

Christian C. G. (2011). Ethics and Politics in Qualitative Research. In Norman K D and Lincoln, Yvona. S. L (2011) (Ed). *The Sage Handbook of Qualitative Research*. Thousand Oaks: Sage

Feyerabend, P (1993). *Against Method*. London: Verso

Foucault, M. (1972). *Power/knowledge*. New York: Pantheon Books (ed. By Collin Gordon)

Glaser, B. G. and Strauss, A. (1967). *The Discovery of Grounded Theory*. Chicago: Aldine  
Harding, S.(Ed.) (1988). *Feminism and Methodology*. Bloomington: Indiana University Press.

Kuhn, T. (1970). *The Structure of Scientific Revolutions*. Chicago: University of Chicago Press.

Lakatos, I. (1970), "Falsification and the Methodology of Scientific Research Programmes" in I. Lakatos and R. Musgrave, eds., *Criticism and the Growth of Knowledge*, Cambridge, 1970

Okasha, S. (2004). *Philosophy of Science: A very short introduction*. Delhi: OUP

Popper, Karl (1959), *The Logic of Scientific Discovery*, New York.

Salkin N J. (2013). *Statistics for people who (think they) hate statistics*. New Delhi: Sage

Spicer, N. (2004). Combining qualitative and quantitative methods. In Cleave, S. (Ed). *Researching Society and Culture*. London: Sage

Weber, M. (1949). *The Methodology of Social Sciences*. Illinois: The Free Press

Weinstein, Jay Allen. (2010). *Applying Social Statistics: An Introduction to Quantitative Reasoning in Sociology*. Rowman and Littlefield : New York , Toronto.

### **Additional Readings:**

Andrew, S. (1992). *Method in Social Science: A realist Approach*. London: Routledge.

Berger, P.L and Luckman T. (1966). *The social construction of reality*. London: Penguin Books

Collingwood, (1994) *The Idea of History: With Lectures 1926-1928*, Delhi: OUP, (Revised Edition)

Durkheim, Emile, 1938, *The Rules of Sociological Method*, Free Press, London

Elifson, K. W, Runyon, R. P. and Haber, A. (1990). *Fundamentals of Social Statistics*. New Delhi: McGraw-Hill.

Mahajan, G. (1997). *Explanation and understanding in Human Sciences*. Delhi: OUP

Seale, C. (2004). *Researching Society and Culture*. New Delhi: Sage



## SEMESTER II COURSES

COURSE NO	COURSE TITLE	CREDIT
<b>SOC-451</b>	<b>RESEARCH METHODOLOGY-II (Core)</b>	<b>4</b>

<i>Pre-requisites for the Course:</i> Students should have basic knowledge of research methods.		
<i>Course Objective:</i> This course will help students in getting knowledge about the application of different tools in carrying out their research. Students would also become familiar with diverse documentary sources of data. Further, the course also help students in training them about analyzing data and writing report.		
On completion of the course, the students will be able to:		
Unit-I	LO1	Learn the usage of different research tools for gathering quantitative and qualitative data.
Unit-II	LO2	Understand sequential steps associated with designing of research proposal and know about major secondary sources of data.
Unit-III	LO3	Acquire knowledge about analyzing data and writing dissertation.
Unit-IV	LO4	Know about statistical analysis of quantitative data.

**Didactics:** Lectures and Assignments

**Evaluation:** Mid semester exam: 20%, Class Participation: 10 %, Field work-based Assignment: 20%, Semester end exam: 50%.

### Unit- 1: 20 Hours

A. Introduction to Quantitative and Qualitative Methods:

- a) Interviews
- b) Case study
- c) Participant Observation / Ethnography
- d) Oral Narratives
- e) Focus Group Discussion
- f) PRA (Participatory Rural Appraisal)
- g) Surveys
- h) Questionnaire
- i) Document Analysis
- j) Content Analysis

### Unit- 2: 10 Hours

A. Basic information Literacy Skills:

- a. Review of Literature
- b. Library search
- c. Web search,
- d. Bibliography and Referencing
- e. Identifying Research Problem and Framing Research Questions
- f. Designing Research Proposal and Writing Synopsis

## B. Major Data Sources on Indian Society:

- a) Archives
- b) Census
- c) National Sample Survey Organisation (NSSO)
- d) National Family Health Survey (NFHS) and other large data sets
- e) Gazetteers, District handbooks, People of India Project

## Unit- 3: 10 Hours

### A. Writing a Research Report

- a) How to write a field note
- b) Erasing and Inserting the Researcher; Reflexivity
- c) Analysis
- d) Writing Dissertation
- e) Plagiarism test

## Unit-4: 20 Hours

- A. Sampling, Sample design
- B. Measures of central tendency
- C. Correlation analysis
- D. Diagrammatic, Graphic and Tabular presentations

## Essential Readings

Agresti, A. and B. Finley. (1997) *Statistical Methods for the Social Sciences*, Prentice Hall and Pearson Publishing, (Several editions available, under more than one imprint).

Alexander L George, Andrew Bennett (2005). *Case Studies and Theory Development in Social Sciences*. Cambridge: MIT Press

Becker, H. (1984). *Writing for Social Scientists*, Chicago: University of Chicago Press

Bhatt, C. (2004). Doing a Dissertation. In Cleave S. (Ed). *Researching Society and Culture*. London: Sage

Bogdan R and Taylor S. J. (1974). Participant observation. In Robert B and Steven J. T. *Introduction to Qualitative Research Method – A Phenomenological Approach to the Social Sciences*. New York: John Wiley and Sons.

Branley, D. (2004). Doing a literature review. In Cleave S. (Ed). *Researching Society and Culture*. London: Sage

Bryman, A. (2008): *Social Research Methods*. Delhi: OUP.

Chambers, Robert (1994) The Origins and Practice of Participatory Rural Development. In *World Development*, Vol. 22, No. 7, pp. 953-969.



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Geertz, C. (1973). *Thick Description: Towards an Interpretive Theory of Culture*. NY: Basic Books, Chapter 1

Miles, M., & Huberman, A.M., (1994). *Qualitative Data Analysis*. London: Sage

Mills, C. Wright (1959) *The Sociological Imagination*, Oxford University Press: Oxford.

Moser, Claus and Kalton, G. (1976). *Survey Methods in Social Investigation*. New Delhi: Heinmann.

Perks, Robert and Alistair Thomson eds. (1998). *The Oral History Reader*, Routledge, (selections).

Reinharz, S and Lynn, D. eds. (1991). *Feminist Research Methods*. New York: OUP  
Robert P. Weber (1997). *Basic Content Analysis*. Sage.

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Sayer, Andrew. (1992). *Method in Social Science (revised 2nd edition)*, Routledge.

Seale, C. (2012) (ed). *Researching Society and Culture*. London: Sage

Srinivas, M. N., A. Shah and E. Ramaswamy (eds.) (1979). *The Fieldworker and the Field: Problems and Challenges in Sociological Investigation*. Delhi: Oxford University Press.

Taylor, Steven J and Robert Bogdan (1984) .*Introduction to Qualitative Research methods: the Search for Meanings*, New York Wiley,

Tonkiss, F. (2004). *Analysing text and speech: content and discourse analysis*. In Cleave, S. (Ed). *Researching Society and Culture*. London: Sage

Tonkiss, F. (2004). *Using Focus Groups*. In Cleave, S. (Ed). *Researching Society and Culture*. London: Sage

Williamson J. B, Karp, D. A. and Dolphin, J. R. (1977). *The Research Craft: An introduction to social science methods*. Oxford: Little Brown and Company. (chapter 11)

### **Additional Readings:**

Denzin, N K and Lincoln, Y. S. (2011) (Ed). *The Sage Handbook of Qualitative Research*. Thousand Oaks: Sage

Elifson, K. W, Runyon, R. P. and Haber, A. (1990). *Fundamentals of Social Statistics*. New Delhi: McGraw-Hill.

Bryman, A. (1988). *Quality and Quantity in Social Research*. London: Unwin Hyman

## Research Methodology I – (Core Courses)

**Course Title:** Philosophies of research and Qualitative Techniques

**Course Credit:** 2

**Course code:** SOM 603

**Course design:** Dr. Sudeep Basu

**E-mail ID:** sudeepbas@gmail.com

**Course Description:** Besides giving a philosophical and historical orientation to qualitative research the course acquaint students with the various modes of conducting qualitative research and analyze data.

**Course Objective:** The course seeks to place qualitative research within a theoretical and philosophical foundation.

**Course content (divided into 4 modules):**

### Unit 1: Philosophies of research

Positivism

Interpretivism

Hermeneutics

Phenomenology

Symbolic Interactionism

Marxist

**Unit 2: Methods: Ethnography, Ethnomethodology, Dramaturgy, Participatory approach, Research Ethics, Writing**

**Unit 3: Modes of analysing qualitative data**

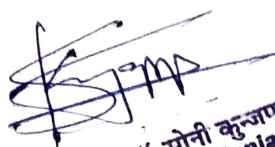
Gathering documents/archives – diaries, letters, autobiographies, mass media, official, visuals.

Conversation analysis

Grounded theory

Triangulation

**Unit 4: Select cases in qualitative research**



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गुजरात विश्वविद्यालय  
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## References

Foucault, M. 1980. *Power/Knowledge: Selected Interviews and Other Writings 1972-1977*. New York: Pantheon.

Popper, Karl. 1992 (1959). *Logic of Scientific Discovery*. London: Routledge.

Heap, James L. and Phillip A. Roth, On Phenomenological Sociology: American Sociological Review, Vol. 38, No. 3 (Jun., 1973), pp. 354-367.

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Wolcott, Harry. 2009. *Writing up qualitative research*. Los Angeles: Sage publications.

Kindon, Sara Louise; Pain Rachel and Kesby, Mike. 2007. *Participatory action research approaches and methods: connecting people, participation and place*. London, New York: Routledge.

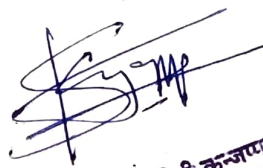
Bryman, A. 2001. *Social Research Methods*. Oxford: Oxford University Press.

Fetterman, D. 1989. *Ethnography: Step by Step*. London: Sage.

J. W. Heyink and T.J. Tymstra, The Function of Qualitative Research, Social Indicators Research, Vol. 29, No. 3 (Jul., 1993), pp. 291-305.

Bradley, Jana, Methodological Issues and Practices in Qualitative Research. The Library Quarterly, Vol. 63, No. 4, Symposium on Qualitative Research: Theory, Methods, and Applications (Oct., 1993), pp. 431-449.

Fox, Renee. 2004. Observations and Reflections of a Perpetual Fieldworker. *Annals of the American Academy of Political and Social Science* 595 (September), pp. 309-326.

  
डॉ. सोनी कुंजप्पन  
Dr. Sony Kunjappan  
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Chairperson  
Center for Studies in Social Management  
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## Research Methodology II - (Core Courses)

**Course Title: Quantitative Techniques**

**Course Credit: 02**

**Course Code: SOM 651**

**Prepared by: Dr. M.Roja Lakshmi**

**E-mail ID: [maila.roja@cug.ac.in](mailto:maila.roja@cug.ac.in) / [rojaifs@gmail.com](mailto:rojaifs@gmail.com)**

**Course Description:** This course attempts to introduce basic elements of quantitative methods employed in social research. It begins with a discussion on the Social Research basis of understanding social phenomenon and proceeds with an examination of the applications of statistics in social research. As part of this course, various issues of measurement, collection, organization and understanding of quantitative data are discussed. Students are also expected to work out a small exercise in data collection, analysis and interpretation.

### **Course Objective:**

1. To understand the basic elements of Quantitative approaches in Social Research
2. To examine the role of Review of Literature, Methodology and Data Collection Techniques
3. To know the various issues of measurement and statistical analysis of quantitative data by MS Excel and SPSS
4. To be practiced the quantitative research report writing.

### **Course Content (divided in 4 modules)**

#### **Unit I**

**Dimensions of Research in Social Sciences:** Basic and Applied (Evaluation, Action and Social Impact), Purpose of Research (Explore, Describe and Explain), Time Dimension in Research (Cross sectional. Longitudinal – Time Series, Panel, Cohort) and Case Study.

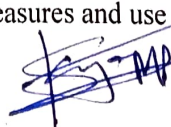
- Data Collection and Analysis Techniques: Quantitative Data (Experiment, Survey research, Nonreactive – Content analysis, secondary analysis, existing statistics)

#### **Unit II**

**Sampling techniques -** Meaning and various strategies of sampling (Non-Probability and Probability Sampling).

**Instruments of data collection:** Questionnaire and Interview Schedule

- a) Questions as measures - nominal, ordinal, interval and ratio.
- b) Types of questionnaire, steps in the construction of questionnaire, modes of administering Questionnaire.
- c) Schedule: questions in the schedule as measures and use of schedule.

  
Dr. S. S. Kunjappan  
Head, Department  
of Social Studies in Social Management  
Centre for Studies in Social Management  
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Central University of Gujarat



### Unit III

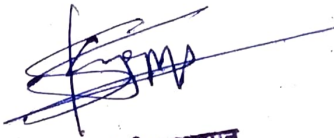
**Analysis of Quantitative Data:** Dealing with Data, Descriptive statistics - Univariate, Bivariate and Multivariate statistics and inferential statistics - Hypothesis testing and non-parametric statistics. Computer aided statistical analysis of data: MS Excel and SPSS.

### Unit IV

Writing the Research report- Cases

### Reference:

- Bryman, Alan. 1988. *Quality and Quantity in Social Research*. London: Unwin Hyman.
- Corbetta, Piergiorgio. 2003. *Social Research: Theory, Methods and Techniques*. New Delhi: Sage.
- Eickhardt, Kenneth W. and Davis, M Erman. 1977. *Social Research Methods: Perspective, Theory and Analysis*. New York: Random House.
- Elifson, Kirk W, Runyon, Richard P. and Haber, Audrey. 1990. *Fundamentals of Social Statistics*. New Delhi: McGraw-Hill.
- Galtung, John. 1967. *Theories and Methods of Social Research*. London: Allen and Unwin.
- Halfpenny, Peter. 1982. *Positivism and Sociology: Explaining Social Life*. London: George Allen and Unwin.
- Manheim, Henry L. and Simon, Bradley A. 1977. *Sociological Research: Philosophy and Methods*. Illinois: The Dorsey Press.
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- W.Lawrence Neuman. 2006. *Social Research Methods: Qualitative and Quantitative Approaches*. Pearson Publishers.

  
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