



गुजरात केन्द्रीय विश्वविद्यालय  
CENTRAL UNIVERSITY OF GUJARAT

गुजरात केन्द्रीय विश्वविद्यालय  
**CENTRAL UNIVERSITY OF GUJARAT**  
(Established by an Act of Parliament of India, No. 25 of 2009  
Sector 29, Gandhinagar , Gujarat 382 030

# PROSPECTUS

## 2016-17

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

## **INDEX**

- 1. MISSION, VISION AND OBJECTIVES**
- 2. SCHOOLS, CENTRES OF STUDIES AND PROGRAMMES OFFERED**
  - A. SCHOOL OF SOCIAL SCIENCES**
  - B. SCHOOL OF INTERNATIONAL STUDIES**
  - C. SCHOOL OF LANGUAGE, LITERATURE AND CULTURE STUDIES**
  - D. SCHOOL OF CHEMICAL SCIENCES**
  - E. SCHOOL OF LIFE SCIENCES**
  - F. SCHOOL OF ENVIRONMENT AND SUSTAINABLE DEVELOPMENT**
  - G. SCHOOL OF APPLIED MATERIAL SCIENCES**
  - H. SPECIAL CENTRES:**
    - i. Centre for Library and Information Science (CLIS)**
    - ii. Centre for Nano Sciences**
- 3. FACILITIES AT THE UNIVERSITY**
- 4. PROGRAMMES, ELIGIBILITY, INTAKE**
- 5. IMPORTANT DATES FOR ADMISSION**
- 6. ENTRANCE TEST FEE**
- 7. ONLINE ENTRANCE TEST SCHEDULE**
- 8. ONLINE ENTRANCE TEST CENTRES**
- 9. RESERVATION POLICY**
- 10. ADMIT CARD FOR ENTRANCE TEST**
- 11. FEE STRUCTURE**
- 12. SELECTION CRITERIA FOR ADMISSIONS**

## **1. MISSION, VISION AND OBJECTIVES**

Established by Parliament of India through the Central Universities Act (2009), Central University of Gujarat (CUG) considers its main objectives to be dissemination and advancement of knowledge creation and sharing. The University is committed to make special provisions for integrated and interdisciplinary courses, to educate and train human resources for the country's development, to initiate appropriate measures for promoting innovation in teaching and learning and to pay special attention to improve the social and economic conditions and welfare of the people, especially pertaining to their intellectual, academic and cultural development.

### **MOTTO**

Providing a Global Platform for Knowledge and Employability to our Students along with Society and Industry Interface.

### **MISSION**

The mission of CUG is to provide access to quality education and create opportunities for encouraging students to effectively engage with emerging innovations and technological challenges, international competitiveness and leadership in thought as well as in action. CUG is also conscious of the importance of developing entrepreneurial and scholastic abilities for creation of knowledge, wealth and prosperity for the country as well as peace and happiness for human beings.

### **VISION**

The vision of CUG is to establish itself as a centre of excellence with social commitment by integrating modern, scientific and technological knowledge and skills with the basic human ethos and values. The University shall set forth a model in teaching, research and personality development and create skilled human resource with a sense of responsiveness towards society, the country and the world at large.

### **OBJECTIVES**

The objectives of CUG are:

- Dissemination and advancement of knowledge by providing instructional and research facilities in various branches of learning.
- Making special provisions for integrated courses in humanities, social sciences, science and technology in educational programmes.
- Taking appropriate measures for promoting innovations in teaching-learning methods and interdisciplinary training and research.
- Educating and training human resource for the country's development.
- Establishing academic-industries partnership to promote advancements in science and technology.
- Paying special attention to the improvement of social and economic conditions and welfare of the people, especially pertaining to their intellectual, academic and cultural development.

### **SCHOOLS AT THE UNIVERSITY**

The University has six Schools of study which offer a range of programmes. The Schools are:

- School of Social Sciences
- School of International Studies
- School of Language, Literature and Culture Studies
- School of Chemical Sciences
- School of Life Sciences
- School of Environment and Sustainable Development

In addition, the University has two Special Centres:

- Centre for Nano Sciences
- Centre for Library and Information Science

### **STUDENTS OF THE UNIVERSITY**

The University considers its students to be its primary stakeholders. Through academic training and participation in University life, students acquire the aptitude for scientific scrutiny, logical questioning and critical evaluation in order to become responsible citizens, assets to the nation and cultural ambassadors of Gujarat.

### **UNIVERSITY ACADEMIC CALENDAR**

Monsoon Semester	22 July 2016 to 05 December 2016
Winter Vacation	06 December 2016 to 05 January 2017
Winter Semester	06 January 2017 to 12 May 2017
Summer Vacation	13 May 2017 to 21 July 2017

## **2. SCHOOLS, CENTRES OF STUDIES AND PROGRAMMES OFFERED**

### **A. SCHOOL OF SOCIAL SCIENCES**

The courses offered by the School of Social Sciences aim at imparting and generating knowledge on emerging issues and problems of contemporary society, economy and polity.

The course structure is choice based, flexible and is interdisciplinary. The pedagogy and didactics are interactive and based on field learning. The academic format places great emphasis on student initiative. The evaluation is continuous and grade based. The evaluation pattern is based on assignments, tutorials, seminars, projects as well as semester exams.

At the end of the course, a student would be equipped with analytical skills, social science theoretical knowledge based on empirical and field-based learning. Thus a student with this kind of learning can look forward to careers in teaching, management, research, policy making, development sector, media and administration.

The School of Social Sciences will offer admissions to the following programmes for the Academic Year 2016-17:

#### **Two-Year M.A. Programmes:**

- (i) M.A. in Sociology**
- (ii) M.A. in Economics**

#### **M.Phil.-Ph.D. Programmes:**

- (i) M.Phil.-Ph.D. in Society and Development**
- (ii) M.Phil.-Ph.D. in Studies in Science, Technology and Innovation Policy**
- (iii) M.Phil.-Ph.D. in Gandhian Thought and Peace Studies**
- (iv) M.Phil.-Ph.D. in Economics**

#### **1. Centre for Studies in Society and Development**

Centre for Studies and Research in Society and Development is anchored to the disciplines of sociology, anthropology and social work in articulating perspectives on development. The Centre aims to generate and disseminate knowledge on theoretical and applied aspects of society and development and the interfaces between them. Its courses introduce and engage with different theoretical formulations and debates concerning local as well as global social development. It tries to analyse different processes, actors, structures and power relations as constructed and contested by the state and different institutions as well. Teaching and research activities in the Centre have been oriented towards contemporary questions pertaining to theoretical and applied dimensions of society. The Centre engages in teaching courses like Theories of Society, Perspectives on Social Development, Research Methodology, Understanding Indian Society – Rural and Urban, Social Stratification, Gender and Sexuality Studies, Human Rights, Marginalisation and Social Exclusion, Political Economy, Globalisation, State and Social Justice, Health and Development, Migration and Diaspora, Corporate Social Responsibility and Social Entrepreneurship, at both M.A and M.Phil. levels. The pedagogy is based on interactive teaching and reflexive exercise.

#### **M.A. in Sociology**

M.A in Sociology is a two-year, full time programme, consisting of four semesters. The students are mandated to take 16 courses, comprising of both core papers and optional papers. During the vacation the students are encouraged to take up internship programmes with NGOs, research institutions and other institutions working in the area of development.

#### **M.Phil.-Ph.D. in Society and Development**

M.Phil.-Ph.D. in Society and Development is a full-time, integrated programme. However, before getting promoted to the Ph.D. programme the students are mandated to fulfill the minimum grade points in the M.Phil. course. Students admitted to the programme are required to do two semester course work; followed by one semester dissertation work, which is extendable by another semester (but without fellowship).

However, students have to secure minimum grade points in their course work to write their dissertation; and the required CGPA to proceed further to the Ph.D.

### **Faculty Profile**

**Prof. N. Rajaram**, Dean and Professor, School of Social Sciences

**Research interests:** Development, Gender, Health, Political Sociology & Migration

**Email:** [rajaram@cug.ac.in](mailto:rajaram@cug.ac.in)

**Dr. Asima Jena**, Coordinator and Assistant Professor

**Research interest:** Debates on Embodiment and Sexuality, Sociology of Health and Ethnography

**Email:** [asima.jena@cug.ac.in](mailto:asima.jena@cug.ac.in)

**Dr. Jayashree Ambewadikar**, Assistant Professor

**Research interests:** Studies on Caste and Weaker Sections, Social Exclusion and Social Security Systems, and Studies on Poverty

**Email:** [jayashree.ambewadikar@cug.ac.in](mailto:jayashree.ambewadikar@cug.ac.in)

**Dr. Sudarshan Papanna**, Assistant Professor

**Research interests:** Urban Sociology, Studies of Caste, Studies of Indian Society and Sociology of Knowledge

**Email:** [sudarshan.papanna@cug.ac.in](mailto:sudarshan.papanna@cug.ac.in)

**Dr. Khaikholen Haokip**, Assistant Professor

**Research interests:** Human Rights, Social Movements and Tribal Studies

**Email:** [khaikholen.haokip@cug.ac.in](mailto:khaikholen.haokip@cug.ac.in)

**Dr. Madhumita Biswal**, Assistant Professor on Contract

**Research interest:** Sociology of Gender, Sociology of Health and Rural Society.

**Email:** [madhumita.biswal@cug.ac.in](mailto:madhumita.biswal@cug.ac.in)

## **2. Centre for Studies in Science, Technology and Innovation Policy (CSRSTIP)**

Centre for Studies and Research in Science, Technology and Innovation Policy (CSRSTIP) focuses on the social and cultural dynamics of science and technology from an interdisciplinary and comparative framework. The centre specialises on a wide range of themes and concerns at the interface of science and society, dwelling upon theoretical insights offered by the emergent academic field of Science, Technology and Society (STS) studies. The centre endeavours to study philosophical, historical, sociological, developmental and cultural dimensions of S&T in India and equips students to critically analyse science, technology and innovation policies.

The Centre offers excellent academic environment that gives students international exposure and possibilities to interact with academicians, policy makers, S&T departments and agencies, civil society organisations and movements, entrepreneurs, innovators and technocrats. Scholars who finish M.Phil.-Ph.D. from the Centre have wide employment opportunities in academics as well as governmental departments/agencies and civil society organisations.

### **M.Phil.-Ph.D. Programme on Studies in Science, Technology and Innovation Policy**

Currently the Centre offers an integrated M.Phil.-Ph.D. programme on Studies in Science, Technology and Innovation Policy. The objective of the programme is to equip students to critically analyse science, technology and innovation in specific disciplinary, sectoral and institutional contexts of South Asia to enable the shaping of socially robust and ethically committed knowledge production practices and inclusive policies. Students will be exposed to the academic debates in the field and rigorous training will be offered in both quantitative and qualitative dimensions of research.

### **Faculty Profiles**

**Dr. Kunal Sinha**, Assistant Professor and Coordinator

**Research Interests:** Science, Technology and Development, Technology Futures Analysis, Intellectual Property Rights and development, Innovation and Socio-Economic Change, Sociology of Technology, Health Innovation System

**Email:** [kunal.sinha@cug.ac.in](mailto:kunal.sinha@cug.ac.in)

**Dr. Parvathi K. Iyer**, Assistant Professor

**Research Interests:** Public Engagement with S&T; Governance of S&T; Innovation, Risk and Regulation and Gender and Science.

**Email:** [parvathikiyer@cug.ac.in](mailto:parvathikiyer@cug.ac.in)

**Dr. Shiju Sam Varughese**, Assistant Professor

**Research Interests:** Social history and philosophy of science, public engagement with S&T, science communication, media and science, science fiction cinema and literature, science popularization and gender and caste relations of S&T.

**Email:** [shijusam@cug.ac.in](mailto:shijusam@cug.ac.in)

**Dr. Hemant Kumar**, Assistant Professor

**Research Interests:** Informal sector innovations, systems of innovation, socio-technical transition, and philosophy of science and technology.

**Email:** [hemant@cug.ac.in](mailto:hemant@cug.ac.in)

### 3. **Centre for Studies in Economics and Planning**

Centre for Studies in Economics and Planning under the School of Social Sciences offers an integrated M.Phil.-Ph.D. programme in Economics along with an M.A. programme. The main objective of the CSEP is to impart quality education/teaching in different branches of economics, and promote theoretical and empirical research on various emerging socio-economic issues that are faced at regional, national and global levels. The Centre would like to contribute to the better policy making aimed at inclusive development and improvement of welfare of people at large. The Centre comprehensively focuses on the areas of regional economic growth and human development, informal sector, employment and wages, public policies, environment, health, industrial research and development, international business, industry studies, and so on. The syllabus of the Centre is innovatively designed to enhance students' learning in theoretical, analytical and empirical knowledge to understand economic behaviours of individuals, firms and economies and to help them contribute to the well-being of the country.

#### **M.A. in Economics**

The Centre for Studies in Economics and Planning has started Master of Economics programme with great academic vigor in the last academic session. This is a full time two years programme, with each comprising monsoon and winter semester. It will provide opportunities for the students to develop knowledge, analytical skills and other attributes in the core areas of economic analysis which are necessary to pursue advanced economic study. The Center for Studies in Economics and Planning is focused on high quality teaching and research. The Center helps the student to compete in present day economic world.

#### **Faculty Profile**

**Dr. Indira Dutta**, Chairperson and Associate Professor

**Research Interests:** Environmental Economics, Regional Economics, Development Economics and Labour Economics.

**Email:** [indira.dutta@cug.ac.in](mailto:indira.dutta@cug.ac.in)

**Dr. Jaya Prakash Pradhan**, Associate Professor

**Research Interests:** Economics of Internationalization and Development; Firm-level Technological and Export Activities; Sectoral Analysis: Indian Pharmaceuticals, Automotive & Software Industries; Regional Development; and Applied Econometrics.

**Email:** [jppradhan@cug.ac.in](mailto:jppradhan@cug.ac.in)

**Dr. Vinod Sen**, Assistant Professor

**Research Interests:** Informal Sector, Social Security, Employment & Unemployment, and Labour Economics, Migration, Issues related to Women and Child Labour, and Inflation.

**Email:** [vinod.sen@cug.ac.in](mailto:vinod.sen@cug.ac.in)

**Dr. Sarala Dasari**, Assistant Professor

**Research Interests:** Public Economics, Economics of Social Sector: Education Finance and Policy, Health Finance and Policy; Regional Development; Development Economics.

**Email:** [saralalenin@cug.ac.in](mailto:saralalenin@cug.ac.in)

**Dr. Tulika Tripathi**, Assistant Professor

**Research Interests:** Social Sector Economics, Health, Gender, Microfinance and Women Empowerment, Employment.

**Email:** [tulika.tripathi@cug.ac.in](mailto:tulika.tripathi@cug.ac.in)

**Dr. Kshamanidhi Adabar**, Assistant Professor

**Research Interests:** Economic Growth and Development, Regional Disparities, Convergence, Regional Development, Human Development, Issues related to Consumption and Employment, Public Finance, Intergovernmental Transfers, Applied Econometrics.

**Email:** [kshama@cug.ac.in](mailto:kshama@cug.ac.in)

#### 4. **Centre for Gandhian Thought and Peace Studies**

Centre for Gandhian Thought and Peace Studies is an interdisciplinary teaching and research centre. Gandhian thought and peace studies are mutually reinforcing categories and located amidst history of ideas. Mohandas Karamchand Gandhi remains a critical reference point to discern plurality of ideas and likewise how plurality of ideas help to explore Gandhian thought holistically. Peace studies is thereby explored in terms of its place in history of ideas. Plurality and contemporary relevance of history of ideas concerning Gandhian Thought and Peace Studies is explored in political philosophy, political theory, human rights, critical philosophical traditions, movements, political economy, social transition, and peace and conflict resolution. The centre offers an integrated programme in M.Phil.-Ph.D.

##### **Faculty Profile**

**Dr. Jagannatham Begari**, Coordinator and Assistant Professor

**Research Interests:** Democracy, political economy of India, human rights, movements and marginality.

**Email:** [jaganmss@cug.ac.in](mailto:jaganmss@cug.ac.in)

**Dr. Dhananjay Rai**, Assistant Professor

**Research Interests:** Cultural Theory, Political Thought, Political Theory and Political Economy.

**Email:** [dhananjay@cug.ac.in](mailto:dhananjay@cug.ac.in)

**Dr. Beryl Anand**, Assistant Professor

**Research Interests:** democracy and social change in the Middle East and South Asia, peace and conflict studies.

**Email:** [beryl.anand@cug.ac.in](mailto:beryl.anand@cug.ac.in)

**Mr. Smruti Ranjan Dhal**, Assistant Professor

**Research Interests:** Gandhian Thought, Political Theory, Political Thought.

**Email:** [smruti.dhal@cug.ac.in](mailto:smruti.dhal@cug.ac.in)

**Dr. Priya Ranjan Kumar**, Assistant Professor

**Research Interests:** Theories of International Relations, Security Regimes, Peace and Conflict Studies, Conflict Resolution, Arms Control and Disarmament and Conflicts, Peace & Security in West Asia.

**Email:** [priya.k.ranjan@cug.ac.in](mailto:priya.k.ranjan@cug.ac.in)

### **B. SCHOOL OF INTERNATIONAL STUDIES**

#### **Introduction to the School**

The School of International Studies at Central University of Gujarat has been envisaged to become a leading institution for international relations studies in western India. Encouraging



diversity in the constitution of knowledge of international affairs in India is its key concern. Its current focus is on teaching and creating new and relevant knowledge in International Politics and Security Studies, the two main subfields of the discipline of International Relations (IR). In the coming years, the School intends to pursue research in history, theory and sociology of modern India's international relations, its foreign policy, international thought and all areas of Security Studies. Aware of the Gujarat's historical connections with the larger world, it will pursue research on maritime influences on India's trade, culture and security. These relatively new areas would be pursued alongside more conventional research areas such as International Relations theories, International Organizations, International Trade and Development, International Law, and Globalisation. In area studies, the School's immediate area of focus is the India immediate and extended neighbourhoods. Programmes and the Centres of the School are interdisciplinary to the extent possible in the Indian context. All programmes of the School equally emphasize theory and policy and train students to contribute meaningfully to the society, country, and the world at large.

The School of International Studies will offer the following programmes during the Academic Year 2016-17:

- (i) **M.A. (Two-year programme) in Politics and International Relations**
- (ii) **M.Phil.-Ph.D. in Security Studies**
- (iii) **M.Phil.-Ph.D. in International Politics**

### **M.A. in Politics and International Relations**

The M.A. in Politics and International Relations programme has been designed to encourage the study of politics and international affairs in India. The School seeks to leverage its unique location in the state of Gujarat to facilitate critical understanding of and linkages with the global forces that shape India and the world.

Established in 2012, this programme trains students in the two related academic fields of Politics and International Relations (IR). Four core courses from each field are taught and these form the foundation of academic training. Some of these courses include Theories of International Relations, Global Governance, International Law, International Political Economy, State and Politics in India and Political Theory. Students have the option of crediting courses offered by other Schools and Centres of the University as well.

This programme's strength is robust training in the all the major aspects of domestic politics and international relations, which it offers through quality teaching. The programme's syllabi are regularly updated and a fine blend of classic and contemporary academic resources is maintained. The programme gets international students via its collaboration with the Indian Council for Cultural Relations (ICCR). This programme prepares students for careers in the academia, niche journalism such as defence, security and foreign affairs, entrepreneurship in new media, civil services, advocacy groups and non-governmental organizations.

#### **1. Centre for Security Studies**

Centre for Security Studies (CSS) at the School of International Studies attempts to impart theoretical, empirical and critical understanding of the changing notions of security encompassing a complex and frequently interconnected set of issues. The integrated MPhil/PhD programme offered at the Centre address key elements of both traditional and non-traditional security issues ranging from national defence and security, international security, terrorism, security in the cyber age, ethnic, religious and ideological conflicts, as well as threats to human security and the stability of states from environmental degradation, infectious diseases, cross-border migration and the activities of non-state actors.

The Centre views security as a multidisciplinary issue that should involve the widest spectrum of individuals and benefit from the contribution of all sectors in society. The Centre's integrated MPhil/PhD program is designed to provide students with the knowledge and skills relevant to understanding both traditional and emerging security challenges, drawing on a wide range of disciplinary fields including defence, international relations, strategic studies, political science, economics, demography etc. The focus is not only on strategic thinking and analysis, regional and country knowledge, but also to equip students with skills to pursue a career in academics, diplomacy, journalism, humanitarian and non-governmental work. Students appearing for the entrance test are expected to have an

understanding of Indian politics, world history, world geography, international affairs, contemporary social, economic and political issues at the national and international level.

#### **Faculty Profile**

**Professor Sanjay K. Jha**, Dean, SIS

**Research interests:** International Relations, National Security, Internal Security—insurgency, terrorism, Maoism—conflict management and resolution, Security and Politics in South Asia and Border Management.

**Email:** sanjayjha@cug.ac.in

**Dr. Nongmaithem Mohandas Singh**, Coordinator and Assistant Professor

**Research interests:** National Security and North-east India, Conflict studies, International Relation, Russia and Central Asia.

**Email:** nongmaithem.singh@cug.ac.in

**Dr. Kishor Jose**, Assistant Professor

**Research interests:** Non-traditional Security Challenges, Energy Security and Central Asia's Politics and Society.

**Email:** kishor@cug.ac.in

**Dr. Manasi Singh**, Assistant Professor

**Research interests:** EU External Relations, International and Regional Organisations, Global Governance, Security and Development, Security Institutions and Governance.

**Email:** manasi.singh@cug.ac.in

**Dr. Vijendra Singh**, Assistant Professor (on Contract)

**Research interests:** Political Theory; Indian Politics; Modern Indian Political Thought

**Email:** vijendra.singh@cug.ac.in

## **2. Centre for International Politics**

The Centre for International Politics offers an integrated M.Phil.-Ph.D. programme in International Politics. It has been conceptualised to cover the IR subfield of International Politics. Teaching and research in the theory and practice of international politics is the core concern of the Centre. Courses taught at the Centre include Research Methodology, Theories of International Relations, Contemporary Challenges in International Politics, War and Peace in International Relations, and Concepts and Issues in International Politics.

Currently, research scholars at the Centre are working on International Thought, Indian Foreign Policy and political and policy issues in South Asia. Over the next few years, the Centre would strengthen and diversify its niche to cover major conceptual and empirical areas of the discipline of International Relations (IR). These include International Relations Theories, Theory and Practice of Global Governance, Issues in Disarmament and Arms Control, Study of International Organisations and International Trade, Investment and Development Policy. The Centre recognises the immense potential of IR teaching and research in India and South Asia. It emphasises the importance of developing theoretical perspectives and conducting empirical research on all aspects of India's international relations and foreign policy.

#### **Faculty Profile**

**Dr. Atul Mishra**, Coordinator and Assistant Professor

**Research Interests:** International Relations Theory; India's New Foreign Policy; International Relations of South Asia; Modern Indian International Thought

**Email:** atulmishra@cug.ac.in

**Dr. Saurabh Sharma**, Assistant Professor

**Research Interests:** Post-conflict governance, peace studies, terrorism, small arms proliferation and drug trafficking in South and Central Asia.

**Email:** saurabh.sharma@cug.ac.in

**Mr. Vaibhav Abnave**, Assistant Professor (on Contract)

**Research Interests:** Theories of International Relations; Indian Foreign Policy; Non-Western International Relations; International Thought; South Asian Intellectual History

Email: vaibhav.abnave@cug.ac.in

### **C. SCHOOL OF LANGUAGE, LITERATURE AND CULTURE STUDIES**

School of Language, Literature and Culture Studies (SLL&CS) runs post-graduate and research programmes in various subjects related to Humanities such as the study of Indian and foreign languages and comparative study of literatures and cultures. Issues related to gender, caste, race and processes of exclusion and marginalization in society, questions related to migration and identity of diaspora communities form some of the core areas of study in the courses offered by the School. All the programmes are interdisciplinary and innovative in nature and prepare students for employment in teaching, research, print and visual media, administration, publishing, editing and emerging areas such as technical writing and content development.

The programmes offered in the School follow Choice Based Credit System. Attendance in the classroom is compulsory for under-graduate, post-graduate courses as well as the course work of the M.Phil./Ph.D. programme. Class-room lectures are designed to ensure students' participation and involvement. Teachers also use seminars, workshops and films to impart instruction. Students have to submit assignments, projects and papers regularly as part of their coursework. They are also required to make presentations/give seminars on topics related to their subjects. Students' participation in the class-room is given special weightage in evaluation. In each semester there is a mid-semester examination and an end-semester examination. All the centres of the School arrange lectures by learned experts and hold workshops and seminars on new fields/areas of the subject.

The School of Language, Literature and Culture Studies will offer admissions to only the following programmes for the Academic Year 2016-17:

#### **Two-year M.A. Programmes:**

- (i) **M.A. in English**
- (ii) **M.A. in Hindi**
- (iii) **M.A. in Gujarati**

#### **M.Phil-PhD Programmes:**

- (i) **M.Phil.-Ph.D. in Comparative Literature**
- (ii) **M.Phil.-Ph.D. in Hindi Language and Literature**

The School currently has the following centres of study:

#### **1. Centre for English Studies**

##### **M.A. English:**

The M.A. English program consists of four semesters of course work with a total of 72 credits. The course content reflects the changed contours of the discipline of English Studies. In addition to the core literature courses each semester, students are offered a number of optional courses in thrust areas such as Translation Studies, Cultural Studies, Post-colonial Studies, and Language Studies. The eclectic combination of courses is meant to provide opportunities for students to explore areas of their individual interest. The overall objective of the MA program is to equip the students to think critically about language, literature, and culture. The School organizes guest lectures, workshops and seminars for students in areas such as Film, Editing, English Language Teaching, Academic Writing and Translation. Students are encouraged to present papers at academic conferences and seminars conducted by the School and also to travel to those organized by other academic institutions.

##### **Faculty Profile:**

**Dr. Rachel Bari**, Professor on Deputation

**Research Interests:** Gender and Women's Studies, South Asian Women's Writing, American Literature and Indian Writing in English and in Translation

Email: [rachel.bari@cug.ac.in](mailto:rachel.bari@cug.ac.in)

**Dr. Atanu Bhattacharya**, Chairperson and Professor

**Research Interests:** English Language Studies, Cultural Studies, Digital Technology Studies

Email: [atanu@cug.ac.in](mailto:atanu@cug.ac.in)

**Dr. Ishmeet Kaur**, Assistant Professor

**Research Interests:** Australian Literature, Post-colonial Studies, Translation Studies

**Email:** [ishmeet@cug.ac.in](mailto:ishmeet@cug.ac.in)

**Ms. Dhara Chotai**, Assistant Professor

**Research Interests:** Life Writing, Literary Historiography, Comparative Indian Literature, Translation Studies

**Email:** [dhara.chotai@cug.ac.in](mailto:dhara.chotai@cug.ac.in)

**Ms. Anupama A.**, Assistant Professor on Contract

**Research Interests:** 20<sup>th</sup> Century American Literature, Modernism, Editorial Theory, Literary History, Psychoanalysis

**Email:** [anu.ayyala@cug.ac.in](mailto:anu.ayyala@cug.ac.in)

## 2. **Center for Comparative Literature and Translation Studies**

Comparative Literature is an interdisciplinary area of studies that has gained importance in the academic programmes of Humanities in the last few decades. As a subject it has great relevance to a multi-lingual society like India. Comparative Literature allows students to explore research areas in the core subjects of thematology, genealogy, literary history, literary influence, and reception, besides related fields of performance studies, theatre studies, film studies etc. It goes beyond mere comparative study of texts to include issues of nation, caste, race, gender, region, culture etc. in the analysis of texts. The relation between orality and literacy as well as issues related to the history of print and publishing also form topics studied under the rubric of Comparative Literature.

### **M.Phil-Ph.D. Programme:**

The M.Phil. programme comprises of two semesters of course work followed by one semester for dissertation (extendable by one more semester without fellowship). Students can move on to the doctoral programme after successful completion of the M.Phil. requirements.

### **Centre Faculty**

**Dr. Balaji Ranganathan**, Chairperson and Professor

**Research Interests:** Psychoanalysis and 19<sup>th</sup> century Indian political discourse, archaeology and numismatic studies of early India, development of early and medieval Indian bronzes.

**Email:** [balajiranganathan@cug.ac.in](mailto:balajiranganathan@cug.ac.in)

**Ms. Zarana Maheshwari**, Assistant Professor

**Research Interests:** Translation studies and practice, travel writing, colonial literature, public sphere.

**Email:** [zarana.maheshwary@cug.ac.in](mailto:zarana.maheshwary@cug.ac.in)

**Dr. Zakia Firdaus**, Assistant Professor

**Research Interests:** North American Native fiction; Canadian Literature; Gender Studies; Post-Colonial Literature; Indian Writing in English.

**Email:** [zakia.firdaus@cug.ac.in](mailto:zakia.firdaus@cug.ac.in)

**Ms. Niveditha Kalarikkal**, Assistant Professor

**Research Interests:** her areas of specialization are Translation Studies and History of Print in Kerala.

**Email:** [niveditha.kalarikkal@cug.ac.in](mailto:niveditha.kalarikkal@cug.ac.in)

**Prof. E.V. Ramakrishnan**, Professor Emeritus

**Research Interests:** English and American Literatures, Postcolonial Literatures, Literary Theory, Translation Studies, Comparative Literature, Indian Literature.

**Email:** [evramakrishnan@cug.ac.in](mailto:evramakrishnan@cug.ac.in)

# 3. हन्दि भाषा एवं साहित्य अध्ययन केन्द्र

भाषा केवल अभिव्यक्ति एवं संपर्कका माध्यम ही नहीं है बल्कि वह सामाजिक सोच, सामासिक संस्कृति और सामूहिक मानसिकता के निर्माण में महत्वपूर्ण भूमिका निभाती है। भारत जैसे एक बहुभाषी और बहुसांस्कृतिक देश की राजभाषा एवं संपर्कभाषा होने के साथ-साथ हन्दि वभिनि भाषा-भाषी समाजों और संस्कृतियों के बीच अंतः संवाद का माध्यम भी है। गुजरात केन्द्रीय विश्वविद्यालय का हन्दि भाषा एवं साहित्य अध्ययन केन्द्र शैक्षणिक एवं सामाजिक प्रतिबद्धता के साथ उपेक्षित समूहों को केन्द्र में लाने की प्रक्रिया में हन्दि भाषा एवं साहित्य की भूमिका को महत्वपूर्ण मानता है।

पाठ्यक्रम: हन्दि भाषा एवं साहित्य अध्ययन केन्द्र द्वारा एम.फिल.-पीएच.डी.(एकीकृत) तथा एम. ए. हन्दि पाठ्यक्रम संचालित है। वगित दशकों में रोजगार के वभिनि क्षेत्र में हन्दि के विद्यार्थियों के लिए विकसित हुए नये अवसरों को ध्यान में रखकर हन्दि भाषा एवं साहित्य अध्ययन केन्द्र अपने एम.ए. पाठ्यक्रम का निर्माण किया है | उक्त दोनों पाठ्यक्रम अपने स्वरूप एवं प्रकृति में अन्तः-अनुशासनात्मक हैं। इन पाठ्यक्रमों में स्त्रीदलति, आदिवासी, अल्पसंख्यक तथा हाशिये के समाज पर केन्द्रित साहित्य की विधि विधाओं, आधुनिक साहित्य सिद्धांतों तुलनात्मक साहित्य, लोक साहित्य, संस्कृति, सनिमा, प्रयोजनमूलक हन्दि, अनुवाद एवं मीडिया अध्ययन आदि विषयों पर विशेष जोर दिया गया है।

अकादमिक गतिविधियाँ : हन्दि भाषा एवं साहित्य अध्ययन केन्द्र भाषा एवं साहित्य से संबंधित अधुनातन विषयों पर अतिरिक्त व्याख्यानमालाओं, राष्ट्रीय परिसंवादों / संगोष्ठियों एवं कार्यशालाओं का नियमित आयोजन करता रहता है। अकादमिक महत्व के राष्ट्रीय तथा अंतरराष्ट्रीय आयोजनों में विद्यार्थियों को अपने शोध पत्र प्रस्तुत करने तथा शोध आलेखों को प्रकाशित करने के लिए सतत मार्गदर्शन एवं प्रोत्साहन दिया जाता है। विद्यार्थियों की रचनाशीलता एवं शोध वृत्तिको मंच प्रदान करने के लिए केन्द्र आगामी अकादमिक वर्ष से अपनी पत्रिका का प्रकाशन करने जा रहा है।

प्रवेश अर्हता: हन्दि भाषा एवं साहित्य तथा अन्य संबंधित समकक्ष विषयों में स्नातक तथा स्नातकोत्तर अभ्यर्थी प्रवेश एम.ए. तथा एम.फिल.-पीएच.डी. पाठ्यक्रम में प्रवेश हेतु गुजरात केन्द्रीय विश्वविद्यालय द्वारा आयोजित अखिल भारतीय प्रवेश परीक्षा उत्तीर्ण कर प्रवेश पा सकते हैं। एम.फिल.-पीएच.डी. पाठ्यक्रम में प्रवेश के अभ्यर्थियों को साक्षात्कारी क भी देनी होगी।

**संपर्क: ई-मेल : [cug.chll@gmail.com](mailto:cug.chll@gmail.com) , [cughindi@gmail.com](mailto:cughindi@gmail.com)**

हन्दि भाषा एवं साहित्य केन्द्र के प्राध्यापकों का संक्षिप्त विवरण

डॉ. आलोक गुप्त, प्रोफेसर एवं डीन

शोध रुचि / विशेषज्ञता: भारतीय साहित्य, तुलनात्मक साहित्य, आधुनिक हन्दि साहित्य एवं अनुवाद विज्ञान

ई-मेल: [alok.kumar@cug.ac.in](mailto:alok.kumar@cug.ac.in)

डॉ. संजीव कुमार दुबे, अध्यक्ष एवं प्रोफेसर

शोध रुचि / विशेषज्ञता: समकालीन हन्दि कथा साहित्य, आधुनिक कविता, प्रयोजनमूलक हन्दि एवं मीडिया अध्ययन

ई-मेल: [sanjeev.dubey@cug.ac.in](mailto:sanjeev.dubey@cug.ac.in)

डॉ. कगिसन पटेल, असिस्टेंट प्रोफेसर

शोध रुचि / विशेषज्ञता: समकालीन कथा साहित्य, परमचंद्र मोहन राकेश, दलति और स्त्रीविमर्श

ई-मेल: [kingson.patel@cug.ac.in](mailto:kingson.patel@cug.ac.in)

डॉ. प्रमोद कुमार तिवारी, असिस्टेंट प्रोफेसर

शोध रुचि / विशेषज्ञता: भाषा, लोक साहित्य, अंतरानुशासनात्मक अध्ययन, शिक्षा आधुनिक कविता

ई-मेल: [pramod@cug.ac.in](mailto:pramod@cug.ac.in)

डॉ. गजेन्द्र कुमार मीणा, असिस्टेंट प्रोफेसर

शोध रुचि / विशेषज्ञता: स्वातंत्र्योत्क कविता और आदिवासी साहित्य

ई-मेल: [gajendra.meena@cug.ac.in](mailto:gajendra.meena@cug.ac.in)

## 4. Centre for Gujarati Language and Literature M.A. in Gujarati

The Centre for Gujarati Language and Literature is commencing with M.A. in Gujarati programme during the academic year 2016-17. This is a 4-semesters (2-year) programme.

The programme along with Core courses on Gujarati language and literature will also include various inter-disciplinary optional courses. The programme intends to impart comprehensive skills and knowledge of not only Gujarati language and literature but also interdisciplinary insights into folk literature, cultural studies, film and literature and comparative literary studies. The School of Language, Literature and Culture Studies (SLLCS), of which the Centre is a part, organises workshops, seminars and special lectures every year which will greatly benefit the students of the Centre in expanding their area of studies in a global world.

#### **D. SCHOOL OF CHEMICAL SCIENCES**

The School of Chemical Sciences (SCS) is a unique centre of learning that fosters innovative scientific ideas through interdisciplinary and interacting teaching and research in frontal areas of the natural sciences. The School pursues research in applied and green chemistry, textile and polymer chemistry, petroleum products, supramolecules and macromolecules, kinetics and catalysts, physical organic chemistry and computational chemistry. The School offers M.Sc. programme in Chemical Sciences and an M.Phil. /Ph.D. programme in Chemistry. Students at the School undergo several stages of learning with wider and deeper exposure to almost every aspect of the chemical sciences: theoretical, applied, instrumental, computational and experimental.

Existing students of the School have published their research work in international journals, book chapters, and scientific coverage. The School has been pursuing innovative approaches and playing vital role in linking the physical sciences and bridging the gap between physical and biological sciences. Such methodology has also gained further importance due to interdisciplinary approaches in various fields like nanotechnology, renewable energy, bio- inspired molecules, multifunctional supramolecules and green technology. These sciences are useful to design and develop new molecular entities and methods to be applied in various fields such as defence, electronics, communication and space research.

As per the expertise of the faculties, the School conducts innovative and advanced optional short courses along with the main course curriculum. Seminars, workshops and discussions are frequently organized in interest of academic growth and knowledge advancement. A free academic environment is maintained so that the talent of students is expressed for productive and innovative research.

**Centres of the School of Chemical Sciences:** The School of Chemical Sciences has one centre namely: Centre for Studies in Chemistry.

#### **The School of Chemical Sciences has the following academic programmes:**

1. M.Sc. (Two Year Programme) in Chemical Sciences

##### **Faculty Profile:**

1) Prof. Man Singh, Professor and Dean

**Research Interests:** Thermodynamics of molecular interactions of structural liquid mixtures.

Email: [mansingh@cug.ac.in](mailto:mansingh@cug.ac.in)

2) Dr. Dhananjay Mondal, Assistant Professor on contract

**Research Interests:** Total synthesis of bioactive natural products; New methodology based biologically active molecules; Peptidomimetics.

Email: [dhananjaym@cug.ac.in](mailto:dhananjaym@cug.ac.in)

#### **E. SCHOOL OF LIFE SCIENCES**

School of Life Sciences (SLS) offers programs leading to the award of MSc and MPhil-PhD degrees in Life Sciences. The M.Sc. course is a two year program divided in four semesters and the final semester comprises of dissertation project. M.Phil.-Ph.D. program is offered according to UGC regulations 2010. Nature of the M.Phil.-Ph.D. program in Life Sciences is interdisciplinary and integrated with various branches of Life Science and bioinformatics. The School has well equipped Central Instrumentation Facility (CIF) having ultramodern equipment to support advanced experimentation and provides avenues for high quality research. In addition, the school has state-of-art laboratories to enable cutting edge research in the field of Human Physiology, Biochemistry, Cell Biology, Microbiology, Immunology, Psychosomatic and Metabolic Disorders, Plant Biotechnology and Biomaterial Engineering.

**For the academic year 2016-17 School of Life Sciences is offering admissions to the following program:**

**M.Sc. in Life Sciences**

**Faculty Profile**

**1. Prof JPN Mishra**

**Dean, School of Life Sciences**

**Research Interests:** Sleep and circadian rhythm physiology, neuroendocrinology, metabolic and stress borne disorders, cell mediated and humoral immunity, respiratory pathophysiology and chemical control of respiration

E-mail ID: [jpnmishra@gmail.com](mailto:jpnmishra@gmail.com), [jpnmishra@cug.ac.in](mailto:jpnmishra@cug.ac.in)

**2. Dr Umesh CS Yadav**

**Assistant Professor**

**Research Interests:** Understanding the molecular mechanisms of cytotoxicity leading to chronic inflammatory diseases including diabetic and cardiovascular disorders and Asthama and COPD

E-mail ID: [umeshyadav@cug.ac.in](mailto:umeshyadav@cug.ac.in)

**3. Dr Rajesh Vasita**

**Assistant Professor**

**Research Interests:** Exploring interfacial properties of polymeric surface to answer complex biological queries and for the development of biomedical devices

E-mail ID: [rajesh.vasita@cug.ac.in](mailto:rajesh.vasita@cug.ac.in)

**4. Dr Sunita Patel**

**Assistant Professor**

**Research Interests:** Biochemistry, biophysical chemistry, RNA-protein interactions, protein chemistry, spectroscopy: application to biology

Email ID: [sunitapcug@gmail.com](mailto:sunitapcug@gmail.com)

**5. Dr Swati Joshi**

**Assistant Professor (On contract)**

**Research Interests:** Industrial microbiology and biotechnology, metagenomics, extremozyme research, protein engineering, heterologous protein expression systems and downstream processing

E-mail ID: [swati.joshi.aj@gmail.com](mailto:swati.joshi.aj@gmail.com), [swati.joshi@cug.ac.in](mailto:swati.joshi@cug.ac.in)

**6. Dr Nishant S Junnarkar**

**Assistant Professor (On contract)**

**Research Interests:** Bioremediation, microbial degradation of xenobiotics, waste water treatment, enzymology of xenobiotics degradation

E-mail ID: [nsjunnarkar@gmail.com](mailto:nsjunnarkar@gmail.com), [nishant.junnarkar@cug.ac.in](mailto:nishant.junnarkar@cug.ac.in)

## **F. SCHOOL OF ENVIRONMENT AND SUSTAINABLE DEVELOPMENT**

The School of Environment and Sustainable Development will have the following programme for the academic year 2016-17:

**M.Sc. in Environmental Sciences**

**Overview**

Environment is the sum of total conditions prevailing in nature within which organisms live and have their interaction between biotic and abiotic components. Life on earth is essential for long term sustainability of environment, continuity of life on earth and maintenance of integrity. The

man-environment relationship indicates that pollution and deterioration of the environment have a social origin. Environment pollution has become a major global concern. Global society is facing challenge of improving the quality of air, water, soil, environment and maintaining the ecological balance. The growth of industrialization, urbanization, modern agricultural development and energy generation has resulted in the indiscriminate exploitation of natural resources for fulfilling human desires and needs, which has contributed in disturbing the ecological balance on which the quality of our environment depends. In recent time, one of the major issues is the threat to human life from the progressive deterioration of the environment. Today we have environmental problems such as acid rain, ozone depletion, global warming, climate change, effects of pesticides and fertilizer, Solid waste, hazardous waste- Treatment & disposal. Roots of these problems are lack of adequate awareness, knowledge, and understanding of our environment. Sustainable development emphasizes the use of natural resources and employing ecofriendly technology for production, processing and operation in industries and making societies ready for environmental development and management.

The School of Environment and Sustainable development is offering M.Phil. / Ph.D. programme since its inception-2011 at CUG. From the current year, a foundation course M.Sc. in Environmental Sciences has been started to support the basic research understanding in the field. Environmental Sciences is a multidisciplinary, interdisciplinary course comprising chemical sciences, biological sciences, physical sciences, earth sciences etc. Environment science is the scientific study of the dynamic relationship and processes that occur in nature and their impact on economic and social system. M.Sc. in Environmental Sciences will cover ecology; ecosystem; biodiversity; natural resources; environment and energy; environmental pollution; pollution control technology; environmental monitoring and assessment; green technology; environmental laws and regulation; instrumentation and statistics; industrial hygiene and safety; environmental toxicology; environmental biotechnology and nanotechnology; sustainable development and management.

**Faculty Profile:**

**Dr. M. H. Fulekar, Professor & Dean**

**Research Interests:** Environmental Science; Environmental Biotechnology;  
Environmental Nanotechnology

**Dr. Rajesh Singh, Assistant Professor**

**Dr. Paulami Sahu, Assistant Professor**

**Research Interests:** Hydrogeology, Groundwater modelling, Groundwater Management,  
Remote Sensing and GIS.

**Dr. Kumari Rina, Assistant Professor**

**Research Interests:** Hydrogeology, Geochemistry, Water Resource Management,  
Biodiversity, Natural resource management, Remote sensing and GIS, Land use/Land  
cover studies.

**Dr. Dheeraj Rathore, Assistant Professor**

**Research Interests:** Ecology, Stress Physiology, Physiology of Biofuel Production and  
sustainable agriculture.

**Dr. Bhawana Pathak, Assistant Professor on contract**

**Research Interests:** Plant behaviour Ecology Biodiversity conservation; Environmental  
Biotechnology, and Environmental Nanotechnology.

**G. SCHOOL OF APPLIED MATERIAL SCIENCES**

The changing global scenario in research and economy demands multidisciplinary approach in science with the aim to be self-sustainable and leader in the field. It is speculated that 21<sup>st</sup> century belongs to those who subscribe to out of the box approach and thinking. Even the recent government. of India initiative by honorable Prime Minister for Make in India supports this thinking. Besides Obama administration (White House) in USA has issued a white paper on materials genomics which says following: Advanced materials are essentials to economic security and human wellbeing, with application in multiple industries, including those aimed at addressing challenges in clean energy, national security, and human welfare. Accelerating the pace of discovery and deployment of advance material system will therefore be crucial to achieving global competitiveness in 21<sup>st</sup> century. It is expected that materials genome initiative will create a new era of materials innovation that will serve as a foundation for strengthening domestic industries in these fields. This initiative offers a unique opportunity to discover, develop,



manufacture and deploy advance materials at least twice as fast today, at a fraction of the cost, finding a system which can meet certain stringent criteria for modern day requirements.

The purpose behind this School is to provide cross-fertilization of new ideas and methodology which could serve as a conduit for collaboration between experimental research who are synthesizing, characterizing and collecting real world data and computational research in model building, simulation and analysis under one roof. This synergy provides critical fundamental that can guide new experiments and accelerates discovery.

The industry personnel are regularly invited as guest faculty in the centre to provide inputs in industrial requirements and enhance the skill of students. The school will soon recruit faculty from the areas of material science, computational biology/bioinformatics, pharmacy, physical science and analytical sciences.

### **M.Sc. in Industrial Chemistry**

The Centre for Studies in Industrial Chemistry offers 2 years M. Sc. in Industrial Chemistry. The mission of our centre is to build a world class teaching and research infrastructure on chemistry. Being located in the hub of chemical and pharmaceutical industry in the state of Gujarat, the aim of the centre is to provide application based knowledge with global platform for employability and serving mankind. The centre is equipped with sophisticated instrumentation facility that will enable researchers/students to take up challenging problems in chemical/pharmaceutical/materials based industry. The students are encouraged to visit many technical/non-technical institutes besides industries for doing their summer/dissertation project. Dr. Prakash C Jha is coordinator for Centre for Studies in Industrial Chemistry.

#### **Faculty Profile:**

1) Dr. Prakash Chandra Jha, Assistant Professor and Coordinator

**Research Interests:** Multiscale Modelling from Molecules to Materials. Computational approach to drug designing and rational approach to catalyst design for energy materials.

Email: [prakash.jha@cug.ac.in](mailto:prakash.jha@cug.ac.in)

2) Dr. L. Raju Chowhan, Assistant Professor

**Research Interests:** Multi-disciplinary research programs including total synthesis of bioactive molecules, design of novel methodologies and catalytic asymmetric reactions.

Email: [rchowhan@cug.ac.in](mailto:rchowhan@cug.ac.in)

## **H. SPECIAL CENTRES**

### **Centre for Library and Information Science (CLIS)**

Master of Library and Information Science (M.Lib.I.Sc.)

Master of Library and Information Science course has started at CUG keeping the objectives of democratizing the access to information by training the graduates from different background to become proactive knowledge workers in the process of collecting, organizing, consolidating and disseminating the knowledge for social transformation, scientific and technological growth and economic prosperity. More and more organizations in India are embarking on new concepts in handling information. With the changing times, information formats also have changed rapidly from print on paper to digital. There is a need for qualified and trained Library and Information Science professionals to take the lead and guide developments in helping the end users in the knowledge society. Central University of Gujarat has started from 2012 onwards the Master of Library and Information Science with a view to produce trained professionals in the areas of information science and Digital Library management. The M.Lib.I.Sc. is offered as cutting edge technology programme that incorporates the latest developments in the field of Library and Information Science. It is envisaged that this master's programme (M.Lib.I.Sc.) will cater to the growing need for library and information professionals of Digital India. The programme covers wide range of subjects such as concepts of Digital Library and the information management, legal framework, preservation of digital objects, information file formats, standards, protocols, interoperability, use of Digital Library softwares, and many other related issues. Much emphasis is given in this course on integration of research, communication and education on a digital library management platform. Students are given practical training in the actual use of Digital Library software and management of library. The Centre has highly qualified and experienced faculty in teaching and research programmes. Library scientists and experts in Library and Information Science from many premier national institutes are invited as Visiting Faculty at the Centre.

#### **Faculty Profile**

Prof.Muttayya Koganuramath

**Research Interests:** Information Management, Digital Library, Information Use and User Studies and Knowledge Management.

Email: [muttayya@cug.ac.in](mailto:muttayya@cug.ac.in)

### **Centre for Nano Sciences**

The Centre for Nano Sciences is an independent centre in the science campus of the Central University of Gujarat. The centre has been offering an MPhil-Ph.D programme since 2012-13 and currently has more than 30 students at various stages of their programme and will be offering M.Sc (Nanotechnology) from July 2016 onward. MPhil-Ph.D students are currently working on diverse projects covering use of nanocomposites in environment remediation, optoelectronics, nanomaterials in energy storage devices as well as for drug delivery, besides computational work in designing nanomaterials. The students of CNS have access to several sophisticated equipment like DLS, XRD, AFM, SEM, FACS, MALDI-TOF etc in the Central Instrumentation Facility of the University. They also have access to more than Rs. 20.00 lakhs worth of books, journals pertaining to nanoscience/nanotechnology exclusively, both in hard copy and electronic form besides access to books related to life sciences, chemical sciences and environment sciences and various national and international sites being routed through the Central Library of the University. The centre has recently been upgraded to the level of a School and will function as the School of Nano Sciences from July 2016 onward.

### **M.Sc. in Nanotechnology**

The M.Sc (Nanotechnology) programme being offered is spread over four semesters for a period of 2 years. It has been designed with the objective of catering to science graduates who are interested in making a career in nanoscience and nanotechnology especially in the areas of agriculture, energy and medicine. Science graduates with physics, chemistry or biology related subjects may apply and will be selected on the basis of a written test. Students admitted to the programme will be required to carry out an in-house dissertation project, besides theory and laboratory course work that is compatible with their undergraduate training.

### **Faculty Profile:**

#### **Dr. Tamishraha Bagchi, Professor and Chairperson**

Expert in: Areas of immunological techniques, rDNA technology and animal cell culture which he has employed to study the immunology of infectious diseases, in the isolation and functional characterisation of probiotic organisms, and also drug delivery studies using human cell lines.

## **03. FACILITIES AT THE UNIVERSITY**

### **Central Instrumentation Facility**

The Central University of Gujrat has been established through an act of parliament in 2009. The Central University of Gujrat is emerging as a center of excellence imparting teaching and research in higher education in sciences, humanities and social sciences. The instruments required for the multidisciplinary research in the area of chemical sciences, life sciences, environmental sciences and nano sciences have been procured.

The advanced instruments procured and available in these schools have been centralized under the central instrumentation facility (CIF) at Central University of Gujrat (CUG). Catering the research need in the area of chemical sciences, life sciences, environmental sciences and nano sciences. The CIF instrument, at present provides instrumentation facilities to the research students and faculty at Central University of Gujarat. The CIF is going to render instrumentation services/facilities to the Universities and Institutes. The workshop on operation and maintenance of advance instruments will also be organized to train technical staff/faculty of other Institutes/Universities.

The advance instruments available under CIF at CUG and their application are highlighted below:

<b>Sr. No.</b>	<b>Instrument</b>	<b>Application</b>
1.	Powder and Single Crystal XRD	Crystal structure analysis, determination of unit cell dimensions, measurement of sample purity, average grain size determination, crystal

		defects, etc.
2.	Atomic Absorption Spectrophotometer (AAS)	Quantitative determination of chemical elements, etc.
3.	Elemental Analyzer (CHNS/O)	To determine the carbon, hydrogen and nitrogen, oxygen, sulphur elemental concentrations in a given sample, etc.
4.	High-Performance Liquid Chromatography (HPLC)	Used to identify, quantify or purify the individual components of the mixture, etc.
5.	Gas Chromatography (GC)	Analysis of organic compounds, drug analysis, toxicology, etc.
6.	Liquid Chromatography-Mass Spectrometry (LC/MS-QTOF)	Identification of compounds in complex mixtures, proteomic analysis, Rapid mass-directed purification of specific substances, etc.
7.	Fourier Transform Infrared Spectroscopy (FTIR)	Determination of functional groups, molecular structure, chemical bonding, etc.
8.	Brunauer Emmett Teller (BET) Surface Area Analyzer	For the measurement of the specific surface area of a material, etc.
9.	Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)	Detection of trace metals etc.
10.	Spectroscopic Ellipsometer	Determination of dielectric properties of thin films and characterize composition, roughness, thickness, crystalline nature, doping concentration, electrical conductivity, etc.
11.	Refractometer Index (RI)	For the measurement of an index of refraction, etc.
12.	500 MHz Fourier-Transform Nuclear Magnetic Resonance (FT-NMR)	Determination of structure, dynamics, reaction state, chemical environment of molecules etc.
13.	Dynamic Light Scattering (DLS)	Determination of size and zeta potential of various particles including proteins, polymers, micelles, carbohydrates, nanoparticles, emulsions or molecules, etc.
14.	Scanning of Electron Microscope (SEM)	Examination of surface morphology, Identification of metals and materials, powder morphology, particle size and analysis, etc.
15.	Scanning of Electron Chemical Microscope (SECM)	To determine the electrochemical behaviour of liquid/solid, liquid/gas and liquid/liquid interfaces, etc.
16.	Atomic Force Microscope (AFM)	Topographic characterization of surfaces, study of protein-nucleic acid complexes, chromosomes, cellular membranes, proteins and peptides, etc.
17.	Electron Spectroscopy for Chemical Analysis (ESCA)	Determination of oxidation states, identification of polymeric coatings, surface compound identification, identification of organic contamination, detection of elements, etc.
18.	Ozonolysis	Used in drug syntheses, cleavage of an alkene or alkyne with ozone to form organic compounds, etc.
19.	High Resolution Transmission	Size and morphology of particles, lattice

	Electron Microscope (HRTEM)	parameters, crystal symmetry and orientation, etc.
20.	Thermo Gravimetric and Differential Thermal Analysis (TG/DTA)	Determination of thermal stability, mass loss due to decomposition, oxidation or loss of volatiles, etc.
21.	Gel Permeation Chromatography (GPC)	To determine the poly dispersity index, molecular weight, etc.
22.	Potentiostat	Analysis of reaction mechanisms related to redox chemistry and other chemical phenomena, etc.
23.	UV-visible Spectrophotometer	Determination of different analytes such as transition metal ions, highly conjugated organic compounds, biological macromolecules, etc.
24.	Porosimeter	Determination of pore diameter, total pore volume, surface area, absolute densities, etc.
25.	Polorimeter	Measurement of the optical activity, inorganic and organic compounds, etc.
26.	Total organic carbon (TOC)	To determine the amount of carbon found in organic compound and used as a non-specific indicator of water quality, etc.
27.	Fluorescence-Activated Cell Sorting (FACS)	Rapid analysis of multiple characteristics of single cells including cell size, cytoplasmic complexity, DNA or RNA content, membrane-bound and intracellular proteins, etc..
28.	Ultra-Centrifuge	Determine sedimentation velocity, shape and mass of macromolecules, isolate viruses, organelles, membranes and biomolecules such as DNA, RNA and lipoproteins, etc.
29.	Real Time PCR (RT-PCR)	For the amplification of a targeted DNA molecule, quantitatively, and semi-quantitatively i.e. above/below a certain amount of DNA molecules, etc.
30.	High Speed Centrifuge	Separate substances of greater/ smaller density, etc.
31.	Matrix-Assisted Laser Desorption/Ionization (MALDI-TOF)	Rapid identification of proteins, peptide mass fingerprinting, molar mass, etc. distribution, identification of micro-organisms, etc.
32.	Confocal Laser Scanning Microscope (CLSM)	Morphological studies of a wide spectrum of living cells and tissues, etc.
33.	Fluorescence microscope	Visualize specimens that emit light of a different colour and to study intracellular signaling in bacteria, etc.
34.	DNA Sequencer	To determine the precise order of nucleotides within a DNA, etc.
35.	Fast Protein Liquid chromatography (FPLC)	Separation of various proteins, purification of plasmid DNA and RNA, etc.

### B. Central Library

The Central Library has a wide collection of resources taking into consideration the course contents and research needs of the university. Library's learning resource collections are

developed aiming at providing the highest level of research and teaching support to the programmes and research thrust areas. Collection is reviewed every year in order to be relevant to the emerging and developing areas of research. The Library is growing in its breadth and depth it holds about 22500 books, and subscribes to over 66 print journals and magazines and over 7497+ e-journals. The Library has SOUL software and computerized library facilities.

The Cyber Library provides seamless access to e-journals available at the university. Its main aim is to provide access to computers and internet to the students coming from economically weaker sections who are not able to buy computers/laptop individually. It has over 25 Pentium workstations with broadband internet access. CUG has successfully migrated towards the internet age by adding 7497+ online journals to its collection. The Library also provides access to several databases.

#### **C. Wi-fi and ICT Facility**

The University is wi-fi enabled and students can access the internet on the basis of a personal id and password provided by the University. The University also has a CyberLab that enables students to access a large variety of resources on the web that includes journals, databases, and books.

#### **D. Health Facility**

Government medical facility is available adjacent to the University Campus where the students can avail of medical help during medical hours. In addition, the Government Civil Hospital is located near the University. The University also has a medical consultant whose services are available to students on subsidized rates. The students are also covered under accident insurance policy of the University.

#### **E. Earn While You Learn Scheme**

The Earn While You Learn Initiative is a unique scheme in the Central University of Gujarat for aiding deserving students of the undergraduate and postgraduate level programmes of the University who do not receive fellowships. As a part of the initiative, the students are assigned duties in the University Cyber Library after the classroom hours.

#### **F. Remedial English**

The Remedial English Programme is meant for the students of the University to assist them with a view to enhance their writing and speaking skills in English. The programme is conducted with the support of U.G.C. Coaching Scheme for SC/ST/OBC/NCL/MC.

#### **G. WSEP Programme**

□□ Writing Skills Enhancement Programme (WSEP) is a comprehensive program that focuses on enhancing the writing abilities of the students by developing basic language skills, academic writing and research paper writing techniques through interactive mode of workshops and crash courses. The programme is organized at the University level.

#### **H. Placement Cell**

The University has established a Placement and Training Cell which is responsible for the interface between the University and possible recruiters. The University has a fully equipped placement office and a Placement Officer. The Cell has begun placing students from the Winter Semester 2015.

#### **I. Games and Sports**

The University is aware of the importance of physical activities and organises annual sports events. Due to the limited space available at the present location of the University, basic sports facilities are available on the campus. A multi-gym facility is available on campus.

#### **J. Cultural Activities**

Cultural activities among the student community on the campus are promoted through various cultural clubs. Students are encouraged to participate in various cultural activities.

#### **K. Canteen**

The University offers canteen facilities on both its campuses where snacks, tea, coffee/dining-in are available.

#### **L. Transport Facility**

The University has its own AC bus which is available on demand for students and the University staff.

#### **M. Conference Facility**

The University has well-equipped facilities for conferences, workshops and seminars with seating capacity ranging from 45 to 200 persons.

#### **N. Non-NET Fellowships**

All the students enrolled for M.Phil. and Ph.D. programmes are eligible to receive a monthly fellowship through the UGC Non-NET fellowship initiative.

#### **O. Welfare Schemes for SC/ST, Minority and Girl Students**

The welfare schemes notified and implemented by the Government of India and UGC are followed in the University and the schemes, announced from time to time, are introduced within the University as applicable.

#### **P. Hostel Facilities**

The University currently does not offer Hostel facilities to its students. However, private accommodation is available on shared basis in the city of Gandhinagar and students would need to make their own arrangements.

#### 04. PROGRAMMES, ELIGIBILITY, INTAKE

School	Programme Code	Programme	Level (Master's/M.Phil.-Ph.D.)	Eligibility	Intake
School of Social Sciences	01	Studies in Science, Technology and Innovation Policy	M.Phil.-Ph.D.	55% (50% in case of SC/ST and PWD students) in Master's degree in any discipline (or an equivalent grade point).	07
	02	Gandhian Thought and Peace Studies	M.Phil.-Ph.D.	55% (50% in case of SC/ST and PWD students) in Master's degree in any discipline (or an equivalent grade point).	07
	03	Society and Development	M.Phil.-Ph.D.	55% (50% in case of SC/ST and PWD students) in Master's degree in any discipline (or an equivalent grade point).	07
	04	Economics	M.A.	Bachelor's degree in any discipline.	20
	05	Economics	M.Phil.-Ph.D.	55% (50% in case of SC/ST and PWD students) in Master's degree in any discipline (or an equivalent grade point).	07
	06	Sociology	M.A.	Bachelor's degree in any discipline.	20
School of International Studies	07	Security Studies	M.Phil.-Ph.D.	55% (50% in case of SC/ST and PWD students) in Master's degree in any discipline (or an equivalent grade point).	07
	08	International Politics	M.Phil.-Ph.D.	55% (50% in case of SC/ST and PWD students) in Master's degree in any discipline (or	07

				an equivalent grade point).	
	<b>09</b>	Politics and International Relations	M.A.	Bachelor's degree in any discipline.	<b>20</b>
<b>School of Language, Literature and Culture Studies</b>	<b>10</b>	Comparative Literature	M.Phil.-Ph.D.	55% (50% in case of SC/ST and PWD students) in Master's degree in any discipline (or an equivalent grade point).	<b>07</b>
	<b>11</b>	Hindi Language and Literature	M.Phil.-Ph.D.	55% (50% in case of SC/ST and PWD students) in Master's degree in any discipline (or an equivalent grade point).	<b>07</b>
	<b>12</b>	Hindi	M.A.	Bachelor's degree in any discipline.	<b>20</b>
	<b>13</b>	English	M.A.	Bachelor's degree in any discipline.	<b>20</b>
	<b>14</b>	Gujarati	M.A.	Bachelor's degree in any discipline.	<b>20</b>
<b>School of Applied Material Sciences</b>	<b>15</b>	Industrial Chemistry	M.Sc.	Bachelor's degree in any discipline of the sciences.	<b>20</b>
<b>School of Chemical Sciences</b>	<b>16</b>	Chemical Sciences	M.Sc.	Bachelor's degree in any discipline of the sciences.	<b>20</b>
<b>School of Life Sciences</b>	<b>17</b>	Life Sciences	M.Sc.	Bachelor's degree in any discipline of the sciences.	<b>20</b>
<b>School of Environment and Sustainable Development</b>	<b>18</b>	Environmental Sciences	M.Sc.	Bachelor's degree in any discipline of the sciences.	<b>20</b>
<b>Centre for Library and Information Science</b>	<b>19</b>	Library and Information Sciences	M.Lib.I.Sc. (Two-year)	Bachelor's degree in any discipline.	<b>20</b>
<b>Centre for Nano Science</b>	<b>20</b>	Nanotechnology	M.Sc.	Bachelor's degree in any discipline of the sciences.	<b>20</b>



**Note:**

- 1. Admission to the integrated M.Phil.-Ph.D. degree programme does not ensure a progression to the Ph.D. level. This progression is governed by relevant ordinances of the University.**
- 2. Candidates appearing in the final year of qualifying examinations may also apply. However, they would need to produce relevant documents at the time of admission.**
- 3. Candidates who have cleared UGC/CSIR/JRF examinations need not appear for the entrance test. They would be called directly for the interview. However, candidates are expected to apply online for admission to relevant courses in the University. Candidates nevertheless may appear for the entrance test if they wish to.**

### **Applying to More than One Programme in the Entrance Test**

Candidates can apply for more than one programme (and a maximum of three) through the same application form, provided they meet the minimum eligibility criteria. Before applying for multiple programmes, however, candidates should ensure that there is no clash in the three examinations opted for (i.e. examinations opted for should not fall in the same session).

### **Concession for the Wards of Kashmiri Migrants in the Matter of Admission**

Concessions to Kashmiri migrant students in the matter of their admission would be provided as per the prevailing guidelines of MHRD/ GOI rules.

### **Medium of Entrance Test and Teaching**

The medium of Entrance Test as well as teaching and research at Central University of Gujarat is English except in the language courses that are conducted by the School of Language, Literature and Culture Studies.

## 05. IMPORTANT DATES FOR ADMISSION

Sr. No.	Important Dates	Date
1.	Date of Advertisement (in national newspapers as well as on the University website)	07 <sup>th</sup> May, 2016
2.	Online Application Form available on the Website	09 <sup>th</sup> May, 2016
3.	Last Date for submission of Online Application Form	31 <sup>st</sup> May, 2016
4.	Issue of Admit Card for Entrance Test (Candidates need to download their Admit Card from the University website: <a href="http://www.cug.ac.in">www.cug.ac.in</a> )	To be announced on the Website
5.	Date of Entrance Test (Online Only)	26 <sup>th</sup> June, 2016
6.	Merit List Announcement for PG programmes/List of students shortlisted for interviews to M.Phil.-Ph.D. programmes.	30 <sup>th</sup> June, 2016
7.	Tentative dates for interview and merit list announcement for M.Phil.-Ph.D.	10 <sup>th</sup> to 15 <sup>th</sup> July, 2016. (Schedule to be announced on the website.)
8.	Beginning of Monsoon Semester	22 <sup>nd</sup> July, 2016

**Note: Candidates are advised to check the first merit list of selected candidates for PG courses and schedule of interview (for M.Phil.-Ph.D. candidates) on the University website [www.cug.ac.in](http://www.cug.ac.in)**

### APPLICATION FORM

The application form, along with the Prospectus, can be downloaded from the University website. Please note that application form is to be submitted online only by visiting the admission website: <http://cuget2016.com/>. The entrance test will also be held online only.

### SUBMISSION OF APPLICATION FORM

In case of a problem in downloading the application form via the University website, students may contact the University Admission and Evaluation Branch via E-mail or phone (on any working day, Monday to Friday, between 11.00 am and 05.00 pm). Contact details are below:

**Tel no. :079-23977446**

E-mail : [admission2016@cug.ac.in](mailto:admission2016@cug.ac.in)

## **06. ENTRANCE TEST FEE**

### **(a) For appearing in one course:**

- (1) General Candidate: Rs. 500/-
- (2) OBC (Only Non-Creamy-Layer) Candidate: Rs. 250/-
- (3) SC/ST Candidate: Rs. 100/-
- (4) PWD Candidate: Exempted
- (5) Wards of Kashmiri migrant: Exempted.

### **(b) For appearing in one or more (a maximum of three) courses:**

- (1) General Candidate: Rs. 600/-
- (2) OBC (Only Non Creamy-Layer) Candidate: Rs. 325/
- (3) SC/ST Candidate: Rs. 150/-
- (4) PWD Candidate: Exempted
- (5) Wards of Kashmiri migrant: Exempted.

**The Mode of Payment is online only.**

**07. ONLINE ENTRANCE TEST SCHEDULE**  
**DATE OF ONLINE ENTRANCE TEST: 26<sup>TH</sup> JUNE, 2016**

<b>First Session: 9.30-11.30 a.m.</b>	MPhil.-Ph.D. in International Politics
	MPhil.-Ph.D. in Studies in Science, Technology and Innovation Policy
	MPhil.-Ph.D. in Comparative Literature
	M.A. in Hindi
	M.Sc. in Life Sciences
	M.Sc. in Industrial Chemistry
<b>Second Session: 12.30 to 2.30 p.m.</b>	MPhil.-Ph.D. in Security Studies
	MPhil.-Ph.D. in Hindi Language and Literature
	MPhil.-Ph.D. in Gandhian Thought and Peace Studies
	M.A. in Sociology
	MPhil.-Ph.D. in Economics
	M.A. in Economics
	M.Sc. in Chemical Sciences
<b>Third Session: 3.30 to 5.30 PM</b>	MPhil.-Ph.D. in Society and Development
	M.A. in English
	M.A. in Politics and International Relations
	M.A. in Gujarati
	M.Sc. in Nanotechnology
	M.Sc. in Environmental Sciences
	(M.Lib.I.Sc.) Master of Library and Information Sciences

**Note: Students must reach their allotted Entrance Test Centre at least 30 minutes before the commencement of the Entrance Test.**

## 08. ONLINE ENTRANCE TEST CENTRES

The names of the Centre where the University plans to conduct the entrance tests are given below:

**The Entrance exam will be conducted at the following Centres:**

Sr. No.	State	Centre
1	Andhra Pradesh	Hyderabad
2	Assam	Guwahati
3	Bihar	Patna
4	Chhattisgarh	Raipur
5	Delhi	Delhi
6	Gujarat	Ahmedabad
7	Gujarat	Rajkot
8	Gujarat	Surat
9	Gujarat	Vadodara
10	Himachal Pradesh	Shimla
11	Jammu & Kashmir	Jammu
12	Jammu & Kashmir	Srinagar
13	Jharkhand	Ranchi
14	Karnataka	Bengaluru
15	Kerala	Cochin
16	Madhya Pradesh	Bhopal
17	Maharashtra	Aurangabad
18	Maharashtra	Mumbai-Andheri
19	Maharashtra	Nagpur
20	Manipur	Imphal
21	Meghalaya	Shillong
22	Mizoram	Aizawl
23	Nagaland	Dimapur
24	Orissa	Bhubaneshwar
25	Punjab	Chandigarh

26	Rajasthan	Jaipur
27	Rajasthan	Jodhpur
28	Rajasthan	Udaipur
29	Tamil Nadu	Chennai
30	Uttar Pradesh	Lucknow
31	Uttar Pradesh	Varanasi
32	Uttar Pradesh	Agra
33	West Bengal	Kolkata

**Note: The candidates need to choose three centres in the online application form in an order of preference. The University reserves the rights to change/cancel or add any of the above centres. In such cases, candidates will be informed in advance about the changes.**

## 09. RESERVATION POLICY

The University follows the reservation policies of the Government of India/UGC as issued and amended from time to time.

Seats in each Programme of Study for Other Backward Classes/Scheduled Caste/Scheduled Tribe/Differently-abled are as given below:

Category	Percentage
Other Backward Classes (OBC)	27.5%
Scheduled Castes (SC)	15%
Scheduled Tribes (ST)	7.5%
Persons with Disabilities (PWD)	3%

### **Reservation of Seats for Persons with Disabilities (PWD)**

Three percent of the seats are reserved for PWD candidates in all the programmes of study. The University follows the rules pertaining to other benefits accruing to PWD candidates in accordance with UGC/MHRD rules.

### **Reservation of Seats for widows/ wards/ wives of the Armed Forces Personnel and Ex-servicemen**

Provision is made for reservation of 5% of the seats for the widows/ wards/ wives of the Armed Forces Personnel and Ex-servicemen in accordance with the GOI-MOD rules.

## 10. ADMIT CARD FOR ENTRANCE TEST

1. Admit Card will be issued by the University only to those candidates who have submitted the Online Application Form complete in all respects on or before the last date of submission. The candidates will need to download their Admit Card from the Admissions Page of the University's website: [www.cug.ac.in](http://www.cug.ac.in). The Admit Card must be produced at the Entrance Test Centre along with a photo identity of the candidate issued by a competent authority.
2. Permission to appear in the entrance test is subject to the candidate's fulfilling minimum eligibility requirements prescribed for admission to the concerned programme of study and as notified in the Prospectus. A candidate may, therefore, appear in the entrance test only if she/he fulfills the eligibility requirements for the programme for which the admission is sought. A candidate who does not meet the minimum eligibility criteria prescribed for the concerned programme and appears in the entrance test despite this caution shall do so at her/his own risk and cost. If at any stage, it is found that the candidate does not fulfill the minimum eligibility requirements, her/his admission, if granted, shall be cancelled without any notice.
3. **In case of any problems, candidates are advised to contact the helpline number (079-23977446) or e-mail on [admission2016@cug.ac.in](mailto:admission2016@cug.ac.in).**



## 11. FEE STRUCTURE

Sr. No.	Details	M.A. / M.Sc. (Rs.)	M.Phil. (Rs.)	Ph.D. (Rs.)
1.	Tuition Fee (Per Semester)	500	1000	2000
2.	Sports Fee (Annual)	200	200	200
3.	Literary & Cultural Fee (Annual)	200	200	200
4.	Library Fee (Annual)	100	100	100
5.	Medical Fee (Annual)	100	100	100
6.	Medical Booklet (Each)	25	25	25
7.	Student Aid Fund (Annual)	100	100	100
8.	Admission Fee	500	500	500
9.	Registration Fee (Per Semester)	200	200	200
10.	Enrolment Fee	200	200	200
11.	General Security Deposit (Refundable)	500	500	500
12.	Identity Card Folder (Per Semester)	50	50	50
13.	Library Security Deposit (Refundable)	1000	1000	1000
14.	Breakage Charges (For Science Students) (Annual)	500	500	500
15.	Examination Fee (Per Semester)	250	3000	5000
16.	Cyber Library Fee (Per Semester)	200	200	200

**Note:**

1. Admission fee, Enrolment fee, General Security Deposit and library security deposit are payable at the time of enrolment in the University.
2. Examination fee for M.Phil-Ph.D. programme shall be payable at the time of submission of M.Phil. dissertation and Ph.D. thesis for evaluation.
3. Fine amounting to Rs.50 per week shall be levied for non-payment of the prescribed fees on due date as specified by the University.
4. The fee structure is valid for the academic year beginning from 2016-17.
5. Convocation fee, if any, for the conferring of Degrees or for other purposes may be decided by the University at appropriate time. If a student does not pay the requisite fees by the notified date, a fine will be levied as per rules of the University.

## **12. SELECTION CRITERIA FOR ADMISSIONS**

1. In case of two-year M.A., M.Sc. and M.Lib.I.Sc. programmes, candidates will be selected for admission as per the merit list prepared on the basis of entrance test.
2. In case of M.Phil.-Ph.D. programmes, eligible candidates will be selected for admission as per the merit list prepared on the basis of entrance test and interview.

### **TRAVEL CONCESSION**

SC/ST and PWD Candidates called for M.Phil.-Ph.D. interviews for admission to various programmes of study will be paid second class rail/bus fare by non-AC, non-deluxe government transport, both ways, by shortest route from the place from where they are called for interviews i.e. mailing address given in the Application Form, on production of valid train/bus tickets.