# HSEE-2014

**Humanities and Social Sciences Entrance Examination - 2014**

# INFORMATION BROCHURE

**Indian Institute of Technology Madras**

**Chennai 600036**

With an interdisciplinary perspective at the heart of its approach, the Department of Humanities and Social Sciences at IIT Madras, which is one of the oldest departments in the Institute, provides intellectual and cultural foundations for the study of human relations in contemporary contexts. During the course of more than fifty years, it has grown into a vibrant department with teaching and research programmes run by a globally acknowledged team of faculty members.

The five-year integrated Master of Arts (M.A.) programme is designed to meet the needs of students who seek a broader learning forum and who appreciate the unique design of inter-disciplinary studies. The programme encourages students to engage in critical thinking and research on ideas, people, society and the human condition.

HSEE-2014 is intended to admit students to this programme in two streams: Development Studies and English Studies. The first two years of the curriculum are common to all students, after which they branch out into one of the two streams. The programme has a total of 46 seats. Allocation of streams will be based on students' preferences as well as their academic performance during the first three semesters.

# IMPORTANT NOTES

1. All applications are to be made through online mode. Visit: *http://hsee.iitm.ac.in*

2. Examination fee for SC/ST/PD (male) candidates is Rs.800/-, for GE/OBC (male) candidates Rs. 1600/- and for female candidates (All categories) is Rs.800/-. The fees must be paid through the Indian Bank challan generated online during the application registration process. In addition, a processing fee of Rs.10 will be charged by the bank (for challan).

3. You may pay the examination fee through Demand Draft (DD),in case there is no Indian Bank branch in your place. The DD should be drawn in favor of "IIT Madras HSEE-2014", payable at Chennai and the bank charges must be borne by you.

4. Ensure that you fulfill all eligibility criteria given in Section 11.

5. Submit only one application form.

6. Options, once selected in the application form, cannot be changed.

7. Filling up the online application is not enough.

8. Print the completed application form and affix your colour photograph (against white background). Both you and your parent/guardian must sign on the application form at the spceficied places.

9. Fill-up and check the details of the challan or DD in the application form.

10. Along with required documents (attested copies of certificates), challan/DD, the completed application form must be sent to **The Chairman, HSEE-2014, JEE Office, IIT Madras, Chennai-600036**. It must reach JEE Office, IIT Madras on or before 27-01-2014 (5:00 PM). IIT Madras will not be responsible for any postal delay. If it reaches JEE Office, IIT Madras later than 27-01-2014, the application will not be accepted.

11. Obtain appropriate category certificate(s) in the prescribed format(s) as given in Appendix-I, Appendix-II and Appendix-III. OBC(NCL) certificate must be obtained on or after June 01, 2013.

12. No acknowledgment card will be sent. The candidates are advised to check their status of their application at the HSEE website after February 14, 2014.

13. The examination fee is non-refundable.

14. You may mail any enquiry to:hsee@iitm.ac.in

15. See the last page of this brochure for important dates.

# CHECKLIST

**SUPPORTING DOCUMENTS TO BE SUBMITTED ALONG WITH THE APPLICATION FORM**

**(To Be Sent By Post To JEE Office, IIT Madras)**

1. Printed application form with photograph pasted, and duly signed by the candidate and the Parent/Guardian.
2. Paid Indian Bank challan (IIT Madras copy) / Demand Draft for all candidates.
3. Attested copy of 10[th]Class Public Examination certificate for Name and Age proof.
4. Attested copy of 10+2 Class mark sheet (if already passed 10+2 examination).
5. Attested copy of category certificate [SC/ST/OBC(NCL)]. OBC (NCL) certificate must be obtained later than June 1, 2013. See Appendix-I and Appendix-II.
6. Attested copy of PwD certificate. See Appendix-III.

# TABLE OF CONTENTS

**Section**                                                                                    **Page No.**

## 1. ABOUT IIT MADRAS

The Indian Institute of Technology Madras (IITM) is an institute of national importance established through an Act of Parliament in 1959. It offers quality education in Humanities, Sciences, Engineering, Management and Techonology at UG / PG level.

The academic environment promotes an all-round and holistic development of personality, excellence in knowledge, self-confidence, discipline, and values of responsible professionalism, and citizenship. The academic programmes of the Institute have a credit-based system, which offer flexibility to acquire knowledge and skill in a variety of disciplines.

The alumni of the Institute hold key positions in academia, industry and government in both India and abroad, and have made notable contributions in their respective fields. The Institute has also an excellent placement cell.

## 2. ABOUT THE DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

The Department of Humanities and Social Sciences (HSS) is one of the earliest departments at IITM. The Department is essentially multi-disciplinary in nature and has faculty from diverse Streams, such as Development Studies, Economics, English, Environmental Studies, Film Studies, Health Studies, History, International Relations, Philosophy, Politics, and Sociology. The Department offers doctoral programmes in humanities and social sciences besides elective courses for the undergraduate and post-graduate programmes of the Institute. Since 2006-07, the Department has been offering a five-year integrated Master of Arts programme. With the launch of this programme, the Indian Institute of Technology Madras has crossed a milestone in fulfilling its role in higher education in liberal arts and social sciences in the country. This has opened avenues for highly motivated students in arts and humanities to enter IIT Madras. For more information, please visit:http://www.hss.iitm.ac.in

## 3. THE MASTER OF ARTS

Excellence in higher education in the humanities and social sciences is evidently of growing importance around the world. By imparting quality education through this programme the Institute aims at producing well-rounded indvidiuals with sound training in the humanities and social sciences to answer the needs of universities, research institutes and commercial and public sector enterprises. The programme draws its strength from the unique mix of streams.

## 4. STREAMS OFFERED

Integrated M.A. in Development Studies
Integrated M.A. in English Studies

A brief description of each stream of the programme is given below.

**Development Studies:**

This stream addresses questions of "order and change" in a globalizing world and aims to explore available approaches to fostering development, understood broadly as the goal of providing people the freedom to make their lives better. This will entail studying the web of relationships humans have with each other and the physical world, which can serve both as a constraint and a source of enormous creativity and ingenuity for achieving sustainable development.

How to analyse and address these issues therefore requires knowledge and skills from across the social sciences, which is what the inter-disciplinary area of Development Studies seeks to do. It covers such topics as economic development, the role of the state and markets, globalization, inequality, poverty, gender relations, environment, conflict, new social movements, politics and institutions, and so on. Courses include those in economics, urbanization, gender studies and science and technology studies as well as advanced topics in political philosophy and social theory. Graduates have career opportunities in government, academia, research organisations and industry.

**English Studies:**

The English Studies stream has been designed for students with sensitivity for literary and linguistic analyses. It provides an understanding of literatures in English from around the world with special emphasis on current debates in literary theory, lesser-known literatures and the importance of an interdisciplinary approach. It aims to introduce students to language, literary and cultural studies, with an emphasis on critical reading skills that would stand a student in good stead whatever he/she may eventually do in life starting with introductory courses in the basics of language and literature, the stream covers the masters of English literary tradition, as well as major writers from other traditions – Asian, African, Latin American and Continental. A range of genre-based, author-based and period-based courses are offered so that students appreciate different kinds of literature in English in different periods of its history.

Courses in linguistics and the structure and function of natural languages as a system of cognition and communication are parts of this stream. Students are exposed to other Streams such as Economics, Sociology, History, and Philosophy so that they can have a range of career options from academics and editing to journalism and language training.

## 5. DISTINCTIVE FEATURES OF THE PROGRAMME

**A.** The programme has been designed to expose students to many ideas and perspectives. The students choose their streams after experiencing the competing fields and subjects during the first two years. Specialization begins in the third year.

**B.** A very distinctive feature of the programme is the involvement of the Engineering, Sciences and Management faculties in offering innovative courses in collaboration with the Department of Humanities and Social Sciences. Such courses are offered as "minor streams" and electives. Such collaboration with other departments is also visualized through dissertation work under joint-supervision.

**C.** The programme imparts substantial knowledge of Indian economy, literature, philosophy, culture, society, and public management. It provides opportunities for learning a foreign language. Currently German, French and Chinese are offered.

**D.** The programme requires students to complete 195 credits spread over five years to earn the degree. Discipline-related courses account for a minimum of 46% of total 195 credits. This includes core and elective courses and a dissertation (refer to the Table below).

The distribution of credits is according to the course categories given below:

| S.No. | Course Category | No. of Courses | Credits | % |
|-------|----------------|----------------|---------|---|
| 1 | Common Courses (including mini projects) | 28 | 86 | 44 |
| 2 | Discipline Courses (Core and Electives) | 18 | 72 | 37 |
| 3 | Other Electives (including Free / Minor stream) | 06 | 19 | 10 |
| 4 | Dissertation/ Seminar | 02 | 18 | 09 |
| | **TOTAL** | **54** | **195** | **100** |

## 6. ADMISSION MODE AND INTAKE

Admission is solely through Humanities and Social Sciences Entrance Examination (HSEE). The programme has a total of 46 seats; each stream will have 23 seats. Allocations of seats to individual Streams will be made based on the academic performance of students (CGPA) during the first three semesters, students' preferences, and availability of seats under each discipline.

## 7. FEES

All candidates admitted through HSEE-2014 will have to pay the following fees at the time of admission:

| S.No | Item | Semester(s) | |
|------|------|-------------|--|
| | | **First** | **Second to Tenth** |
| 1 | One Time Payment | Rs.2,050 | -- |
| 2 | Semester Fees* | Rs.8,827 | Odd Semester: Rs.8,827 Even Semester: Rs.7,900 |
| 3 | Refundable Caution Deposit | Rs.2,000 | -- |
| 4 | Refundable Hostel Deposit | Rs.2,000 | |
| 5 | Hostel and other Fees+ | Rs.18,150 | Rs.18,150 |

All fees are subject to variation from time to time.

\* SC/ST students are exempted from payment of tuition fees of Rs.3,000/-per semester irrespective of the parental income.

+ Includes mess advance of Rs.12,000/-for 6 months.

## 8. PATTERN FOR HSEE-2014

### 8.1  Type of Question Paper:

HSEE-2014 examination is of three hours duration and has two parts. Part I consists of objective type multiple choice questions for 2½ hours duration (150 Minutes), administered through computer. Part II involves essay writing for 30 Minutes to be written on answer sheet distributed to the candidates at the end of Part I.

**Part I** covers the following topics: (i) English and Comprehension Skill; (ii) Analytical and Quantitative Ability; (iii) General Studies covering the areas of Indian Economics (since Independence), Indian Society, Contemporary World Affairs (post-World War II); and (iv) Environment and Ecology.

**Part II** requires the candidate to write an essay on general topic involving description, or/and reflection or/and discussion.

### 8.2 Language of Question Paper: English.

### 8.3 Items Prohibited in the Examination Hall:

Electronic devices like mobile phone, calculator, iPod, iPad etc. are NOT PERMITTED in HSEE-2014.  Further, items like log table, abacus, slide rule, book, notebook, geomentry box etc. and any other means of calculation are also strictly prohibited in the examination hall.


## 9. SCHEDULE OF HSEE-2014

The examination will be held on Sunday, April 20, 2014 between 10:00 and 13:00 hours in select cities throughout India.

The above date will remain unaltered even if this date is declared as a public holiday.


## 10.  RESERVATION OF SEATS

As per Government of India rules candidates belonging to certain categories are admitted to seats reserved for them based on relaxed criteria.

These categories are:
- Other Backward Classes (OBC) if they belong to Non-Creamy Layer (NCL)
- Scheduled Castes (SC)
- Scheduled Tribes (ST)
- Persons with Physical Disability (PwD)

Benefit of OBC(NCL), SC and ST reservation shall be given only to those classes/castes/tribes which are in the respective central list of corresponding states published by the Government of India.

### 10.1 OBC (NCL) Candidates:

For candidates belonging to OBC (Non Creamy Layer), 27% of the seats are reserved. For the purpose of reservation of seats in HSEE-2014, a candidate will be considered as OBC

only if he/she belongs to the non-creamy layer of this category. Those belonging to the creamy layer of OBC are NOT entitled for reservation. In case the reserved seats in this category are not filled, they can be filled by GE category candidates. These candidates will be required to produce the original certificate issued on or after June 01, 2013 by a competent authority in the prescribed format (see APPENDIX–II). Candidates are advised to ensure that the certificate that they are submitting is according to the latest guidelines of the Government of India. For an updated list of state-wise OBCs eligible for availing the benefit of reservation and information in respect of the non creamy layer visit the website: http://www.ncbc.nic.in.

The original certificates must be produced at the time of admission, failing which their offer of admission will be cancelled. While submitting the completed application, the candidate needs to enclose only an attested copy of the OBC (NCL) certificate and the same must reach the Chairman, HSEE-2014 before January 27, 2014, failing which the candidate will be considered as a general category candidate.

### 10.2 SC/ST Candidates:

For candidates belonging to SC and ST categories, 15% and 7.5% seats, respectively, are reserved. Candidates belonging to these categories will be declared qualified on the basis of a relaxed criterion.

Candidates belonging to SC and ST categories will be required to produce the original caste/tribe certificate issued by a competent authority in the prescribed format (see APPENDIX–I) during admission, failing which they will not be considered for admission. While submitting the completed application, the candidate needs to enclose only an attested copy of the certificate and the same must reach the Chairman, HSEE-2014 before January 27, 2014. Seats remaining vacant in these categories shall not be filled by candidates belonging to any other category.

### 10.3 Persons with Disabilities (PwD):

Across all categories, 3% of seats in every category are reserved for Persons with Disability (PwD). For any type of disability (viz., locomotor, visual, dyslexia, speech, and/or hearing) benefit would be given to those who have at least 40% physical impairment. Leprosy-cured candidates who are otherwise fit to pursue the course are also included in this sub-category. Candidates belonging to this PwD sub-category are declared qualified on the basis of a relaxed criterion. Candidates who are Persons with Disability will be required to submit the original certificate issued by a district medical board/competent authority in the prescribed format (see APPENDIX–III) at the time of admission. Certificates in any other format will not be accepted. Attested copies of PwD certificates must be sent along with the application form to reach the Chairman, HSEE-2014, IIT Madras before January 27, 2014. Candidates are advised to ensure that the certificate that they are submitting is according to the latest guidelines of the Government of India (visit the web site of the Ministry of Social Justice and Empowerment, Department of Disability Affairs for latest information).

Note: A blind candidate can request for the services of amanuensis (Scribe). For availing of the services of a scribe, the candidate must write a letter to the Chairman, HSEE-2014 and duly attaching a copy of the PwD certificate (immediately before the end of online registration). The candidate will be permitted to take the examination at a Centre in Chennai only.

## 11.ELIGIBILITY

### 11.1 Qualifying Examination (QE):

Candidates applying for HSEE-2014 should have either completed or should be appearing in 2014 in any one of the following qualifying examinations (QE):

- The final examination of the 10+2 system, conducted by any recognized Central / State Board, such as Central Board of Secondary Education, New Delhi; Council for Indian School Certificate Examination, New Delhi; etc.
- Intermediate or two-year Pre-University Examination conducted by a recognized Board / University.
- Final Examination of the two-year course of the Joint Services Wing of the National Defence Academy.
- General Certificate Education (GCE) Examination (London/Cambridge/Sri Lanka) at the Advanced (A) level.
- High School Certificate Examination of the Cambridge University.
- Any Public School / Board / University Examination in India or in any foreign country recognized by the Association of Indian Universities as equivalent to 10+2 system.
- Higher Secondary Course (H.S.C.) Vocational Examination.
- Senior Secondary School Examination conducted by the National Open School with a minimum of five subjects.

One should note that courses which are preparatory in nature, without offering any degree are not considered equivalent to 10+2 system.

In case the relevant qualifying examination is not a public examination, the candidate must have passed at least one public (Board or Pre-University) examination at an earlier level. This is in addition to passing in the qualifying examination with aggregate marks relevant to the category of the candidate.

### 11.2 Percentage of Marks in QE:

The candidates belonging to the general category and OBC category must secure a minimum of 60% marks in aggregate in the QE. Candidates belonging to SC, ST and PD categories must secure a minimum of 55% in aggregate in the QE. If any Board awards only letter grades without providing an equivalent percentage of marks on the grade sheet, the candidate should obtain a certificate from the Board specifying equivalent marks, and submit it at the time of joining. In case, such a certificate is not provided by the candidate, the decision of the HSEE Admission Committee regarding his/her eligibility shall be final.

### 11.3 Date of Birth:

A candidate, whose date of birth falls on or after October 01, 1989, is eligible for HSEE-2014. However, in the case of SC, ST and PwD candidates, upper age limit is relaxed by 5 years, i.e.,candidates belonging to these categories / sub-categories born on or after October 01, 1984 are eligible. The date of birth as recorded in the High School (10th std. / 12th Std.) first Board / Pre-University Certificate will be taken as authentic. Candidates must produce a copy of this certificate along with the completed Application Form as a proof of their age and at the time of admission original certificate has to be produced failing which they will be disqualified.

**11.4 Physical Fitness:**

All qualified candidates will have to submit a Physical Fitness certificate from a Registered Medical Practitioner in the prescribed format that will be made available to them along with offer of admission letter. They will be admitted only if they are physically fit for pursuing a course of study at the Institute.

**11.5 Important Notes:**

i. Admission to a candidate will stand cancelled, if the proof of having passed the QE, as per the eligibility criteria specified in Section 11.2, is not submitted to the Institute latest by September 30, 2014.
ii. Admissions are subject to verification of facts from the original certificates / documents of the candidates. If an applicant is found ineligible at a later date even after admission, his/her admission will be cancelled. The decision of the HSEE Admission Committee regarding the eligibility of any applicant shall be final.
iii. A candidate must satisfy all the aforesaid eligibility criteria in order to be eligible for appearing in HSEE-2014 / admission.

**11.6 Foreign Nationals:**

Admission to the M.A. program for all foreign nationals will be made through HSEE-2014 only. The eligibility requirements for foreign nationals will be same as those meant for the general category candidates in India.

**12. Cities for HSEE-2014:**

The entrance examination will be conducted in the following nine cities:

Bangalore, Chennai, Coimbatore, Hyderabad, Kochi, Kolkata, Mumbai, New Delhi, and Thiruvananthapuram.

If sufficient number of candidates are not available at any of the above listed cities, the same may be dropped, and the candidates will be allocated to a centre in any of the other cities. The address of an Examination Centre for a candidate will be mentioned in the Admit Card, which can be generated online. **Request from a candidate for change of city/town allotted to him/her will NOT be entertained under any circumstances.**

**13. ADMIT CARD**

After successful registration and payment of required fee through bank challan/Demand Draft, the candidates can download their admit card for HSEE-2014 from March 17, 2014 (10 AM) onwards till April 17, 2014 (5 PM) from the HSEE-2014 website. The Admit Card will bear the name, photograph, date of birth, address and category of the candidate along with name and the address of the HSEE-2014 Centre allotted. The candidate should carefully examine the Admit Card for all the entries made therein. In case of any discrepancy, the candidate should inform the Chairman HSEE-2014 immediately by phone/email/fax.

The Admit Card can be downloaded from the HSEE website between March 17, 2014 and April 17, 2014. Take a laser printout of the Admit card and affix your signature (this should tally with your signature affixed on the application form) in the space specified. The signed Admit Card must be brought to the Examination Centre for your identity verification. If the Admit Card can not be downloaded online the candidates are required to contact the Chairman, HSEE-2014 at once.

*Impersonation is a legally punishable offence.* No applicant will normally be permitted to write the examination without a valid Admit Card. The Admit Card should be presented to the invigilators for verification. The candidate's identity will be verified in respect of his/her details on the Admit Card and centre verification record. If the identity is in doubt, the candidate may not be allowed to appear in the examination. The authorities may at their discretion permit the candidate to appear for the examination after completing formalities including taking of thumb impression. No extra time will be allowed for these formalities to be completed. In all such cases, the candidature will be provisional. Decision regarding the provisionality of such candidates will be taken later by the HSEE committee, and it will be binding on the candidates.

*Candidates have to carefully preserve their Admit Cards till the entire admission procedure through HSEE-2014 is completed.*

## 14. MERIT LIST / RANKING

Rank list will be prepared based on the aggregate marks obtained in HSEE-2014.

- A common rank list made up of candidates who score at least 50% in HSEE-2014 will be prepared. Separate rank lists will be prepared corresponding to OBC (NCL), SC, ST and PD categories.
- Candidates of OBC (NCL) category must score at least 45% in HSEE-2014 examination in order to be in the OBC rank list. Candidates of SC and ST categories must score at least 25% in the HSEE-2014, in order to be in their respective rank lists.
- A common rank list will be prepared for PwD candidates. To be in the PwD rank list, candidates must score at least 25% in the HSEE-2014 exam in aggregate. Separate PwD rank lists will be prepared corresponding to the OBC (NCL), SC and ST categories. Seats will be allotted using the rank lists and the number of seats available in each category. If a candidate who has been allotted a seat declines to take admission due to some reason or does not respond to the allotment, then such vacant seats will be allotted to the next candidate in the respective rank lists. While allotting a seat, if a candidate belongs to more than one category of relaxed norms, he/she shall be considered only in the category in which he/she gets the maximum benefit. If sufficient OBC(NCL) candidates are not available, then the seats will be dereserved and will be open for allotment to general candidates.

A candidate scoring more in aggregate mark than another will receive a better rank than the other. If ties occur in the aggregate marks, then one who scores more in Part II (Essay writing) will be given a higher rank. If ties occur in both Part II and the aggregate, then one who scores more in the 'General studies' section of Part I will be given a higher rank. If ties occur in all of aggregate, Essay writing, and General studies, then one who scores more in

the 'Analytical Abilities' section of Part I will receive a higher rank. If ties occur after all these tie-break criteria, then they will be given the same rank.

## 15. RE-GRADING AND RE-TOTALLING

Since the examination is administered through computers, there is no scope for re-grading and re-totaling. Grading of `Essay Writing' is done in a highly confidential and impersonal manner with many checks. Hence, there will be NO re-grading and re-totalling. The answer scripts cannot be shown to anyone except the evaluators.

## 16. PERFORMANCE OF THE CANDIDATES

The ranks/scores of the candidates will be available for viewing in the HSEE website on May 14, 2014. The scores/ranks cannot be used by any person / institution without prior permission of Chairman HSEE-2014. Separate performance cards will NOT be sent individually to the candidates.

## 17. SYLLABUS FOR HSEE-2014

### 17.1 English (25% marks):

This section tests the candidate's ability to understand and use standard English, and to appreciate literary language. Questions are related to the following areas:

Reading skills: Candidates will be required to read the given passage/s that aim to test their comprehension skills.

Grammar: This section tests the candidate's knowledge of English grammar such as sentence structure and usage, the use of tenses, verb patterns, articles, and active and passive constructionsetc.

Vocabulary: This section examines the candidate's vocabulary skills. Candidate's ability to understand meaning, structure  and colocation of words is tested here.

### 17.2 Analytical and Quantitative Ability (25% marks):

This section tests the candidate's analyitical skills and quantitative abilities. Questions are related to the following areas:

Numbers, Algebra, Highest Common Factor (HCF) and Lowest Common Multiple (LCM), Calendar, Basic Statistics – Average, Ratio and proportion, Profit and Loss, Percentages, Simple and Compound Interest, Work and time, Discount, Age sums, linear equations, elementary trigonometry.

Data Interpretation, Analytical Reasoning, Logical Reasoning, brainteasers, and patterns.

**17.3 General Studies (in four parts-50% marks):**

**17.3.1 Indian Economy:**

This section is intended to test the understanding of some basic economic concepts and awareness of key issues pertaining to the Indian economy with a focus on the developments after independence. The concepts and issues covered are:

Understanding the Economy: Scarcity, opportunity cost, resource allocation, economic systems and their characteristics, features of market economies, forces of demand and supply, elasticity of demand and supply.

Main Features of Indian Economy: Natural resources; human resources -population size and composition, literacy and education, occupational distribution.

Major Economic problems: Poverty, Unemployment and Inequality -concepts, measurement, trends,sectoral distribution and policies, inflation – trends, causes and remedies.

Economic Growth and Development: Meaning and measurement of economic growth, stages of development, national income concepts and trends, trends in savings and investment; human development index, national policy on education, health and health care policies. Planning in India: Five-Year Plans – objectives, priorities and problems.

Sectoral Development: agriculture – Green Revolution and technological changes, current issues and policies; industry-evolution of industrial policies in India (from 1948), strategies for industrial development, public and private sectors, small and medium industries, infrastructure, transport and communication, service sector etc.

Foreign Trade and International Economy: balance of payments, foreign exchange reserves and trade policy, I.M.F., W.T.O., international aid.

Money, Banking and Public Finance: concepts of money and measures of money supply.

**17.3.2 Indian Society and Culture**

Structure of Indian Society: Caste, Class and Tribe, Institutions of Marriage, Family and Kinship, Political institutions, Demographic Indicators and Trends.

Social Change in India: Sanskritization, Modernisation, Westernization and Secularization, Social Movements and Regionalism, Panchayati Raj Institutions& Governance, Affirmative Action Programme of the Government, Commissions and Policy Interventions.

History and the Making of Indian Society: Mughal eEa and Islamisation, British Raj, Sepoy Mutiny, Reform Movements in the 19th Century and the Emergence of India.

Indian Philosophy and Thinkers: Jainism and Mahavira, Budhha and his Teachings, the Charvakins, Orthodox Systems, Sikhism, Sufism, Gandhi and Non-violence.

**17.3.3 World Affairs:**

Emergence of the US and USSR; emergence of UN system; the Cold War and nuclear race; disintegration of Soviet Union, decline of Communism and rise of nationalism; Arab-Israel

conflict; India and the World; NAM and role of India; Indo-Sino and Indo-Pak relations, conflict and wars.

Democracy and Development; Challenges to democracy; North-South divide on issues of development; UN and its various developmental and peacekeeping operations; Nuclearisation and non-Proliferation; India in SAARC and ASEAN; International terrorism, fundamentalism and the War on Terror; Indo-US relations; New centers of power in Asia, Latin America and Africa.

Hunger and Poverty; Human Rights, Democracy and Development; Environmental degradation and green politics; Issues of Race, Ethnicity and Gender; Deprived Classes and minority politics; Religion in the contemporary world; Culture and Civilization; Globalization and changing economic, cultural and political landscape; Mass media and cultural change; Emergence of various popular mass movements.

### 17.3.4 Environment and Ecology:

Global Environmental Picture: Population Growth, Degradation of Soils, Global Atmospheric Changes, Loss of Biodiversity.

What are Ecosystems? Structure of Ecosystems – Biotic Structure, Categories of Organisms, Feeding and Non-feeding Relationships. Ecosystems and How they Work, Elements in Living and Non-living Systems, Energy Laws, Nutrient Cycling.

Pollution – Major forms of Pollution and their Impact, Primary and Secondary Pollutants, Control Strategies, Indoor Pollutants, Global Warming, International Treaties.

Principles of Solar Energy, Hydropower, Wind Power, Biomass Energy, Ocean Thermal Energy, Geothermal Energy, and Tidal power.


### 18. APPLICATION PROCEDURE

Application for the HSEE-2014 is only through online mode.The procedure is given below:

You need access to a computer with internet connection and a printer.

**Registration:** Logon to the site http://hsee.iitm.ac.in and select from the menu 'Apply Online' and follow the instructions on the site. Enter all the data as per the instructions. The site will prompt you to save your data on the system when necessary.

After sucessfully entering the data, click the 'finalize' button. After this, you cannot edit your application. The system will then generate a printed version of your application along with the Indian Bank challan.Registration is complete only after the payment of examination fee.

**Examination Fee:**Candidates must pay the examination fee as applicable through the challan (generated during registration process) of Indian Bank. The examination fee for GE and OBC(NCL) male candidates is Rs.1600/-. The examination fee for SC, ST, PwD male candidates and all categories of female candidates is Rs. 800/-. In addition, a processing fee of Rs.10 will be collected by the bank.

**Payment:** Go to any branch of the Indian Bank and pay the examination fees by the challan generated online. Mention/check your application number on both the copies of the challans generated during the online application registration process. Alternatively, you may pay the examination fee through Demand Draft (DD), in case there is no Indian Bank branch in your place. The DD should be drawn in favor of "IIT Madras HSEE-2014", payable at Chennai and the bank charges will be borne by you.

**Challan or DD Details:** In the printout of the application, check the challan details at the specified place: Challan No.; Branch Code; Transaction No./Journal No.; Date of Payment. Ensure that the seal of the bank branch and the signature of the banker are affixed on the challan at the space provided. If a DD is obtained, the details of the DD need to be provided in the application form in the space provided.

**Signatures:** Affix your photograph (with white background) at the appropriate place(s) in the application form. You and your father/guardian must sign at the bottom of the declaration. Then only your application form is complete.

**Postal Address:** Put the completed application form, an attested copy of your 10$^{th}$ class certificate/ 10+2 certificate / date of birth certificate, an attested copy of category certificate, if applicable, and the Institute copy of the Indian Bank challan or DD in an A4 size envelope and post it by Speed Post or Registered Post to the following address:

> **The Chairman, HSEE-2014,**
> **JEE Office, I.I.T. Madras,**
> **Chennai – 600036**

**Last Date:** The application complete in all respects along with all enclosures such as attested copies of the certificates and the 'IIT Madras Copy' of the Indian Bank challan generated online or the Demand Draft must reach the Chairman, HSEE-2014, IIT Madras on or before 17.00 hours on <u>January 27, 2014</u>.

IIT Madras will not be responsible for any postal delay. If the completed application reaches JEE Office, IIT Madras later than January 27, 2014, then the application will be rejected.

There will not be any acknowledgement of the application. However, as and when the applications are received, it will be reflected on the HSEE website. Candidates should check the HSEE website for the status of their applications after February 14, 2014.


## 19. INSTRUCTIONS FOR FILLING UP THE HSEE-2014 APPLICATION FORM

Read the instructions carefully before filling the application form. Your application must be complete in all respects. Incomplete application or application with incorrect information is liable for rejection.

### 19.1 Name of the Candidate:

Enter your name in capital letters as given in your original certificate of the High School (10$^{th}$standard) or your first Board/Pre-University Examinations. Leave one and only one blank box between consecutive words of your name. If your name has several initials, leave one blank after each of them. Do not put a `dot' after the initials.

**19.2 Category:**

Choose your category GE, SC, ST or OBC (NCL) from the drop down menu. Category once declared cannot be changed at a later date. If a candidate fails to produce the necessary certificate, he/she will be considered as a general category (GE) candidate.

**19.3 Persons with Disabilities (PwD):**

If you are a person with disabilities (viz., locomotor, visual, speech and hearing, leprosy-cured but otherwise fit to pursue the course) then choose YES from the drop down menu. Otherwise choose NO.

**19.4 Gender:**

Choose from the drop down menu as appropriate.

**19.5 Nationality:**

Choose from the drop down menu as appropriate.

**19.6 Date of Birth:**

Select the date, month and year of your birth as per the English Calendar and as recorded in your School Board / Pre University Examination certificate.

**19.7 Complete Postal Address:**

Enter the complete postal address to which any communication is to be sent upto July 30, 2014. The address must include c/o name if required, and other details including the PINCODE.

**19.8 E-mail ID:**

Indicate your e-mail ID.

**19.9 Mobile / Phone Number:**

Enter your phone number (landline) with STD code, if there is any, by which you can be contacted or a message can be left for you. If you give your mobile number for contact it will help us to "SMS" important messages or help you get status of your application, etc.

**19.10 Choice of City of Examination:**

Select the name of the city from the following:

Bangalore, Chennai, Coimbatore, Hyderabad, Kochi, Kolkata, Mumbai, New Delhi and Thiruvananthapuram.

Though you enter names of two different cities you will be allotted mostly your first choice. In extreme cases, you may be allotted the city of your second choice or a new one.

**19.11 Declaration by the Candidate:**

The candidate must read and sign the declaration. The place and date should also be entered. The declaration by the candidate must be countersigned by Parent/Guardian.

Application without signatures of the candidate or his/her parent/guardian will be treated as incomplete and rejected.

**19.12 Photograph:**

Write your name and application number on the back of the photograph. If, by chance, the photograph comes off the application, it will help in refixing it. You are required to paste (do not staple) a recent good quality colour photograph with light or white background of approximate size 3.5 cm X 4.5 cm (taken not more than two months earlier). It is expected that the candidate will have the same appearance at the time of examination as in this photograph. In case your appearance changes, you are required to bring two new photographs at the time of examination. Do not sign on the photograph and do not get it attested.

Note: Photograph must not be larger than the space provided in the box for pasting it.

**19.13 Name of Parent/Guardian:**

Enter the name of your parent (either father or mother) or guardian exactly as in your 10$^{th}$class or equivalent certificate. Write the name of your father if no name is given in the 10$^{th}$class certificate.

**FORM OF CERTIFICATE TO BE PRODUCED BY SCHEDULED CASTES AND SCHEDULED TRIBES CANDIDATES**

1. This is to certify that Shri/ Shrimati/ Kumari* _____ son/daughter* of _____ of Village/Town* _____ District/Division* _____ of State/Union Territory*_____belongs to the _____ Scheduled Caste / Scheduled Tribe* under :-

* The Constitution (Scheduled Castes) Order, 1950
* The Constitution (Scheduled Tribes) Order, 1950
**\* The Constitution (Scheduled Castes) (Union Territories) Order, 1951**
* The Constitution (Scheduled Tribes) (Union Territories) Order, 1951

[As amended by the Scheduled Castes and Scheduled Tribes Lists (Modification Order) 1956, the Bombay Reorganisation Act, 1960, the Punjab Reorganisation Act, 1966, the State of Himachal Pradesh Act, 1970, the North Eastern Areas (Reorganisation) Act, 1971, the Scheduled Castes and Scheduled Tribes Orders (Amendment) Act, 1976 and the Scheduled Castes and Scheduled Tribes Orders (Amendment) Act, 2002]

* The Constitution (Jammu and Kashmir) Scheduled Castes Order, 1956;
* The Constitution (Andaman and Nicobar Islands) Scheduled Tribes Order, 1959, as amended by the Scheduled Castes and Scheduled Tribes Order (Amendment) Act, 1976;
**\* The Constitution (Dadara and Nagar Haveli) Scheduled Castes Order, 1962;**
* The Constitution (Dadara and Nagar Haveli) Scheduled Tribes Order, 1962;
* The Constitution (Pondicherry) Scheduled Castes Order, 1964;
* The Constitution (Uttar Pradesh) Scheduled Tribes Order, 1967;
* The Constitution (Goa, Daman and Diu) Scheduled Castes Order, 1968;
* The Constitution (Goa, Daman and Diu) Scheduled Tribes Order, 1968;
* The Constitution (Nagaland) Scheduled Tribes Order, 1970;
* The Constitution (Sikkim) Scheduled Castes Order, 1978;
* The Constitution (Sikkim) Scheduled Tribes Order, 1978;
* The Constitution (Jammu and Kashmir) Scheduled Tribes Order, 1989;
* The Constitution (Scheduled Castes) Order (Amendment) Act, 1990;
* The Constitution (Scheduled Tribes) Order (Amendment) Act, 1991;
* The Constitution (Scheduled Tribes) Order (Second Amendment) Act, 1991;

2. # This certificate is issued on the basis of the Scheduled Castes / Scheduled Tribes* Certificate issued to Shri / Shrimati* _____ father/mother* of Shri /Shrimati /Kumari* _____ of Village/Town* _____ in District/Division* _____ of the State State/ Union Territory* _____ who belong to the Caste / Tribe* which is recognised as a Scheduled Caste / Scheduled Tribe* in the State / Union Territory* _____ issued by the _____ dated_____.

3. Shri/ Shrimati/ Kumari * _____ and / or* his / her* family ordinarily reside(s)** in Village/Town* _____ of _____District/Division* of the State Union Territory* of _____.

Signature: _____
Designation _____
(with seal of the Office)

Place: _____ State/Union Territory* _____
Date: _____

* Please delete the word(s) which are not applicable.
# Applicable in the case of SC/ST Persons who have migrated from another State/UT.

IMPORTANT NOTES
The term "ordinarily reside(s)**" used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
Officers competent to issue Caste/Tribe certificates:
1. District Magistrate / Additional District Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / Ist Class Stipendiary Magistrate / City Magistrate / Sub-Divisional Magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner.
2. Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
3. Revenue Officers not below the rank of Tehsildar.
4. Sub-divisional Officer of the area where the candidate and/ or his family normally reside(s).
5. Administrator / Secretary to Administrator / Development Officer (Lakshdweep Island).
6. Certificate issued by any other authority will be rejected.

FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER THE GOVERNMENT OF INDIA

**This is to certify that Shri / Smt. / Kum\*._____**
**Son / Daughter\* of Shri / Smt.\* _____ of Village/Town\***
**_____District/Division\* _____ in the**
**_____ State belongs to the _____**
**community which is recognized as a backward class under:**

(i) Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186 dated 13/09/93.

(ii) Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 dated 20/10/94.

(iii) Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 dated 25/05/95.

(iv) Resolution No. 12011/96/94-BCC dated 9/03/96.

(v) Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 11/12/96.

(vi) Resolution No. 12011/13/97-BCC dated 03/12/97.

(vii) Resolution No. 12011/99/94-BCC dated 11/12/97.

(viii) Resolution No. 12011/68/98-BCC dated 27/10/99.

(ix) Resolution No. 12011/88/98-BCC dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated 06/12/99.

(x) Resolution No. 12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71 dated 04/04/2000.

(xi) Resolution No. 12011/44/99-BCC dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 21/09/2000.

(xii) Resolution No. 12015/9/2000-BCC dated 06/09/2001.

(xiii) Resolution No. 12011/1/2001-BCC dated 19/06/2003.

(xiv) Resolution No. 12011/4/2002-BCC dated 13/01/2004.

(xv) Resolution No. 12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 16/01/2006.

Shri / Smt. / Kum. _____ and / or his family ordinarily reside(s) in the _____ District / Division of _____ State. This is also to certify that **he/she does not belong to the persons/sections (Creamy Layer)** mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt.(SCT) dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt.(Res.) dated 09/03/2004, further modified vide OM No. 36033/3/2004-Estt.(Res.) dated 14/10/2008 or the latest notification of the Government of India.

Dated:

District Magistrate /
Deputy Commissioner /
Competent Authority
Seal

\* Please delete the word(s) which are not applicable.

**NOTE:**
(a) The term 'Ordinarily resides' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
(b) The authorities competent to issue Caste Certificates are indicated below:
(i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / Ist Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of Ist Class Stipendiary Magistrate).
(ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
(iii) Revenue Officer not below the rank of Tehsildar' and
(iv) Sub-Divisional Officer of the area where the candidate and / or his family resides.

**FORMAT OF THE CERTIFICATE FOR PERSONS WITH DISABILITY**

**NAME & ADDRESS OF THE INSTITUTE/HOSPITAL ISSUING THE CERTIFICATE**

Certificate No.

Date:

**CERTIFICATE FOR PERSONS WITH DISABILITIES**

This is to certify that Shri/Shrimati/Kumari* _____
son/daughter* of _____ Age _____ years,
Registration No. _____ is a case of Locomotor disability/Cerebral
Palsy/Blindness/Low vision/Hearing impairment/Other disability* and has been suffering from degree
of disability not less than _____ % (_____). The details of
his/her above mentioned disability is described below:

(IN CAPITAL LETTERS)
_____
_____
_____

Note:-

1. This condition is progressive/non-progressive/likely to improve/not likely to improve.*
2. Re-assessment is not recommended/is recommended after a period of _____ months/years.
3. The certificate is issued as per PWD Act, 1995.
* Strike out which is not applicable.


**Sd/-**                              **Sd/-**                              **Sd/-**
**(DOCTOR)**                    **(DOCTOR)**                    **(DOCTOR)**

Seal                               Seal                               Seal


Signature/Thumb impression of the patient

<div style="border:1px solid black; width:200px; height:250px; text-align:center;">

Recent Attested Photograph
showing the disability
affixed here.

</div>

Countersigned by the
Medical Superintendent/CMO/Head of
Hospital (with seal)

## IMPORTANT DATES OF HSEE-2014

| | |
|---|---|
| Online Application process (HSEE website)- Starts | **December 18, 2013** |
| Online Application process  (HSEE website) - Ends | **January 17, 2014** |
| Payment of examination fee through Indian Bank challan - Starts | **December 18, 2013** |
| Payment of examination fee through Indian Bank challan - Ends | **January 24, 2014** |
| Last date for receiving completed application from the candidate by registered or speed post | **January 27, 2014** |
| Admit Card availability for download (from HSEE website)by candidates – Starts | **March 17, 2014** |
| Admit Card availability for download (from HSEE website) by candidates  - Ends | **April 17, 2014** |
| HSEE-2014 online Examination | **April 20, 2014** |
| Result declaration on HSEE website | **May 14, 2014** |
| Offer Letters to Candidates - Starts | **May 15, 2014** |

**CONTACT DETAILS:**

**The Chairman, HSEE-2014,**
**JEE Office,**
**IIT Madras,**
**Chennai–600036**

Phone:  (044) 2257 8220

Fax:     (044) 22578224

Email: hsee@iitm.ac.in

HSEE website: http://hsee.iitm.ac.in