POST GRADUATE CERTIFICATE IN INFORMATION AND ASSISTIVE TECHNOLOGIES FOR THE INSTRUCTORS OF VISUALLY IMPAIRED (PGCIATIVI)

ignou
THE PEOPLE'S UNIVERSITY

School of Education
Indira Gandhi National Open University
Maidan Garhi, New Delhi-110068

ABOUT THE UNIVERSITY

The Indira Gandhi National Open University, one of the largest universities of the world, wasestablished by an Act of Parliament in 1985, to advance and disseminate learning andknowledge by a diversity of means, including the use of information and communicationtechnology, to provide opportunities for higher education to a large segment of the population.The enrolment (fresh and re-registration) in 2017-18 was 10,72, 578. The University offers 239 academic, professional,vocational, awareness generating and skill-oriented programmes at the level of Certificate,Diploma, Bachelor's Degree, Master's Degree and Doctoral Degree through its 21 Schools ofStudies, 67 Regional Centres, 3084 active Learner Support Centres (LSCs). Theseprogrammes are offered through multiple instructional packages with the convergence ofdifferent methodologies and technologies. The University is making all efforts to take highereducation to the doorsteps of the hitherto unreached. Based on its contribution in Distance Education, it has been conferred with Award of Excellence by the Commonwealth ofLearning (COL), Canada, in 1993.

The recent initiatives of the university to provide technology-enabled education within theframework of blended learning includes; SWAYAM based Massive Open Online Courses(MOOCs), 24x7 WAYAMPRABHA, e-Gyankosh and IGNOU e-Content App for digital study material.

SCHOOL OF EDUCATION

The School of Education is one of the Schools of Studies in the University. It prepares specialists to be engaged in educational discourses and knowledge generation. It offers academic programmes for the professional development of teachers and educational managers at different levels of education. The School also functions as a centre for documentation of teacher education materials in the form of print and non-print media and is engaged in promotion oftechnology-enabled learning.

The School of Education (SOE) has been given the mandate to develop academic programmes in education as an area of knowledge and as a field of professional practice.

Postgraduate Certificate in Information and Assistive Technologies for the Instructors of Visually Impaired (PGCIATIVI)

It provides opportunity for educating and training the instructors of the visually impaired. The programme equips the learners in the use of modern and updated information and assistive technologies. Provides experience in acquiring skills and competencies. Certification will help in getting gainful employment in this emerging and challenging area.

Programme Objectives:
- To sensitize the learners in understanding people with visual impairments.
- To orient the learners about assistive and informative technologies in general and for people with visual impairment in particular;
- To equip the learners in the use of assistive and informative technologies in teaching people with visual impairment;
- To provide learners hands on experience in acquiring skills and competencies in facilitating learning in people with visual impairment.

Eligibility:

i) bachelor's degree in computer science from a recognized university (BCA/BSc-Computer Science)

OR

ii) bachelor's degree in any discipline from a recognized university with diploma/certificate in Computer Science

OR

iii) bachelor's degree in any discipline from a recognized university subject to the condition that PGCIATIVI will only be awarded after successfully completing the CIT programme from IGNOU.

Medium of Instruction: English
Duration: Minimum six months and Maximum 2 Years
Fee Structure: Rs 6000/-

Programme Structure

Course Code	Course Title	Credits
MVEI 11	Understanding the Learner	4
MVEI 12	Assistive and AdaptiveTechnologies	4
MVEI 13	Software's for Visually Impaired	4
MVEI 14	Communication Skills	4
	Total	**16**

Practical: This programme has practical components

Details of the Courses

MVEI-011-Understanding the Learner

Block 1 Understanding Disability

Unit 1 Definitions, Meaning and Concept

Unit 2 Understanding the Visual Impairment

Unit 3 Implications of Visual Impairment

Block 2 Disability and Law

Unit 4 Persons with Disabilities and the Constitution

Unit 5 International Framework for Disability

Block 3 Teaching and Evaluation Methodology

Unit 6 Introduction to Teaching Methodology

Unit7 Evaluation Methodologies

Block 4 Plus Curriculum for Visually Impaired

Unit 8 Braille

Unit 9 Orientation and Mobility

Unit 10. Sensory Training

Unit 11. Daily Living Skills

MVEI-012- Assistive and Adaptive Technologies

Block 1 Overview of Assistive and Adaptive Technologies

Unit 1. Assistive and Adaptive Technologies

Unit 2. Adaptive Technologies

Unit 3. Assistive Technologies

Unit 4. Emerging Trends

Block 2 Accessibility

Unit 5. Introduction to Accessibility

Unit 6. Web Accessibility

Unit 7. Other Accessible Technologies

MVEI-013- Software's for Visually Impaired

Block 1 Screen Reading Software

Unit 1. Working with screen reader

Unit 2. Introduction to screen reading software

Unit 3. Word processing with using screen readers

Unit 4. Spreadsheets with screen readers

Unit 5. Using Database with Screen Readers

Block 2 Screen Magnification Technology

Unit 6. Introduction to screen Magnification Technologies

Unit 7. Customizing Screen Magnification Technologies

Block 3. Optical Character Recognition

Unit 8. Introduction to Optical Character Recognition

Unit 9. Working with Optical Character Recognition

Block 4 Refreshable Braille Display and Embossing

Unit 10. Introduction to Refreshable Braille and Tactile Reader

Unit 11. Braille Embossing

MVEI-014 – Communication Skills

Block 1. English in daily life

Unit 1. Introduction to Communication

Unit 2. Greetings and Introductions

Unit 3. Skills required at the job: Telephoning

Unit 4. Importance of Small Talk in Business

Unit 5. Email and SMS

Block 2 English for the job Market

Unit 6. Profiling oneself for the job Market

Unit 7 looking for a job

Unit 8 portfolio making

Unit 9 writing your Curriculum Vitae (CV)

Unit 10 job Interviews

Block 3 English at the Workplace I

Unit 11. Presentation skills-i

Unit 12. Presentation skills-ii

Unit 13. Participating in Discussion

Unit 14. Body Language: Non-Verbal Communication

Unit 15. Using Computers in Daily Life

Block 4 English at the Workplace II

Unit 16. Business Correspondence

Unit 17. Report writing

Unit 18. Work Ethics

For Further information, please contact:

**The Director
or
Programme Coordinators
(PGCIATIVI)**

SCHOOL OF EDUCATION

**INDIRA GANDHI NATIONAL OPEN UNIVERSITY
Maidan Garhi, New Delhi – 110068
Tel.: 91-11-29572962
91-11-29531302
Fax: 91-11-29534227
Email: dvenkatesh@ignou.ac.in
or
Regional Directors
IGNOU Regional Centres
For details of Regional Centres,
please visit IGNOU website
www.ignou.ac.in**