SNDT
Women's University

APRIL
2023

P.G. Department of
Computer Science

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P.G.Department of Computer Science

Goals

- Promote teaching materials and manpower for computer science education.
- Participate actively in professional bodies and industry to contribute to the society at large.
- Interact with some of the best in the computing profession to give exposure to students and faculty.
- Train highly competent computer software professionals needed by the industry.
- Strengthen teaching, research and consulting in the area of computer applications.
- Develop software for the improvement of educational testing and software for students with learning disability.
- Establish links with national and international organizations for advanced training and research in computer science.

Objectives

- To provide technical education to women to catalyses their empowerment.
- To fulfill the national need for trained teachers and researchers in Computer Science.
- To promote advanced research, doctoral and postdoctoral work.
- To support the efforts of the University to promote computer awareness and utilization in the various departments

Mission:

Empowerment of Women through Technical Education.

FACULTY

Faculty Appointed on Government Sanctioned Posts:

- **Dr. G.M. Magar**
  MCA (Engg & Tech), Ph.D.
  Associate Professor and Head
  Teaching Experience of 22 Years
  Area of Research interest: GIS, IP

- **Dr. Anita Chaware**
  M.Sc. (C.S.), Ph.D.
  Associate Professor
  Teaching Experience of 24 Years
  Area of Research interest: Data Science, Fuzzy Logic

- **Mrs. Swati Meshram**
  M.E. (Computer Engg.)
  Assistant Professor
  Teaching Experience of 19 Years
  Area of Research interest: Machine Learning

- **Mrs. Shaesta Mujawar**
  M.C.A.
  Asstistant Professor
  Teaching Experience of 12 Years
  Area of Research interest: Machine Learning

- **Mr. Selvan Simon**
  M.Sc., M Phil, ADCSSAA, DCM
  Asst. Professor (Retired in 2020)
  Teaching Experience of 22 Years
  Area of Research interest: Data Mining

Temporary/Contractual Faculty:

- **Ms. Urvashi Deshmukh**
  M.C.A. (Engg.)
  Asstistant Professor
  Teaching Experience of 5 Years
  Area of Research interest: Image Processing

- **Ms. Shivani Kadam**
  Qualification: M.C.A.
  Designation: Asst. Professor
  Teaching Experience of 5 months
  Area of Research interest: Data Mining

Visiting Faculty:

- Mr. Roshan Jaiswal
- Dr. Ujawala Sav
- Ms. Sujata Kullur
- Dr. Sulbha Powar
- Ms. Neha Athavale
- Ms. Sabera Shaikh
- Mr. Sahebrao Gavali

Program Outcomes

Master of Computer Application (MCA)

Duration : Two years(4 Semesters)

Program Outcomes

1. Produce knowledgeable and skilled human resources which are employable in IT sector.

2. Impart knowledge required for planning, designing and building complex Application Software Systems as well as provide support to automated systems or application.

3. Produce entrepreneurs who can develop customized solutions for small to large Enterprises.

4. To develop academically competent and professionally motivated personnel, equipped with objective, critical thinking, right moral and ethical values that compassionately foster the scientific temper with a sense of social responsibility.

5. To develop students to become globally competent.

6. To inculcate entrepreneurial skills among students.

Program Specific Outcomes

The Master of Computer Applications Programme will prepare its graduates to achieve:

1. The understanding to apply knowledge of computing and technological advances appropriate to the programme.

2. Skills to analyze a problem, and identify and define the logical modeling of solutions.

3. An ability to design implements and evaluate a computer-based system, process, component, or programme to meet stakeholder needs.

4. The knack to function effectively in teams to accomplish a common goal.

5. A sense of professional, ethical, legal, security and social issues and responsibilities.

6. Effectiveness in communicating with a wide range of audiences.

7. An ability to analyze the local and global impact of business solutions on individuals, organizations, and society.

8. An identification of the need to engage in continuing professional development.

Master of Science in Computer Science
[M.Sc.(C.S.)]
Duration : Two years(4 Semesters)

Program Objectives:

- To prepare highly trained software professionals needed by the industry.
- To inculcate research culture that will make them ready for competent world.
- To impart knowledge of latest trends in IT Industry.
- To prepare them for Industry 4.0 Revolution by learning Artificial Intelligence.
- Machine learning, Internet of things, Big data analytics.

Program Specific Outcome

This Program will enable students

- To get knowledge of algorithms and various programming languages.
- To make career in Cyber Security and digital Forensics.
- To understand research methodologies and promote for the research.
- To understand the Big data analytics, Artificial intelligence, Internet of Things and Image Processing.
- To develop various mobile applications /apps using Android programming.
- To develop various multimedia applications.

Post Graduate Diploma in Computer Science and Applications (PGDCSA)

Duration: One year (2 Semesters) full time on-campus

Program Objectives:

- To provide technical education to women to catalyses their empowerment.
- To fulfill the national need for trained teachers and researchers in Computer Science.
- To promote higher education and research in Computer Science.

Program Specific Outcome:

This Program will enable students

- To make technically competent women workforce in I.T. field.
- To make career in Computer Science and digital marketing.

- Produce entrepreneurs who can develop customized solutions for small to large Enterprises and providing platform for startups.

Best Practices

- 100% *internship* to students and 90% plus *Placements*
- *Motivational talks* and grooming session by relevant experts
- *Soft skills* and Placement Training Sessions by Experts.
- *TEL(*Teaching learning Process)–Project and Research based Learning.
- *Remedial classes* for slow learners, needy students
- Guest Lecture from Industrial Experts.
- Encouraging faculties for doing research and improve their academic qualifications.
- *Yoga and meditation* for student's wellbeing and empowerment
- Life Group Insurance for Students and Staffs

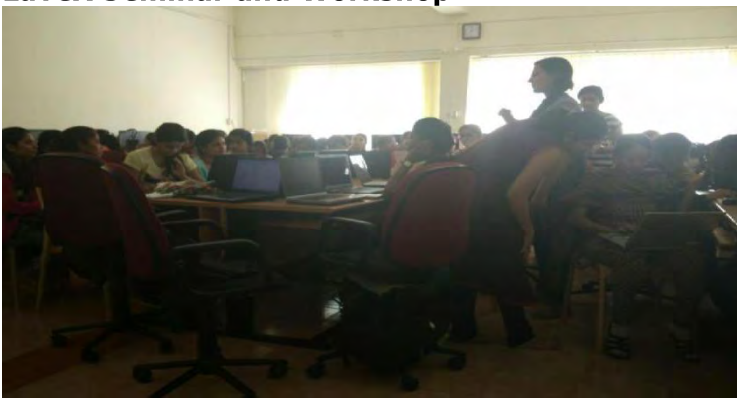
Programs Conducted and Student Participation

ACM Tech Tornado

TechNext India

CSI-InfoComm

LaTeX Seminar and Workshop



CSI Cyber FIFC

CSI IT 2020

CSI TechNext

Python Workshop

Research Methodology Workshop

Industrial Visit

Women's Day Celebration

Yoga Day

Sports Day

Sports Day

Cashless Transaction Awareness Rally

Tree Plantation Day

Students Council With Udisha Members and Students

Cancer Awareness Programme

Doctor from prince aly khan hospital giving demo session to the audience

Program on Enterpreneurship PMI

Fresher's Party

Farewell Party

Dress to impress workshop

Microsoft Azure Workshop on cloud services

Placement Interviews

Tech Infinite

Research Projects and Books

Books:

1. G. M. Magar, S. R. Maurya, "Learn to Master C", Star EduSolutions India 2018. [ISBN978-81-93404-57-7]
2. R. K. Maurya, S. R. Maurya, G. M. Magar, "Learn to Master C++", Star EduSolutions India, 2018. [ISBN978-81-93404-58-4]
3. M. T. Savaliya, R. K. Maurya, G. M. Magar, "Programming through Python", StarEduSolutions India, 2018. [ISBN: 978-93-86765-42-0]
4. R.K.Maurya, G.M.Magar, S.R.Maurya, "Graph Theory and Its Applications", John WileyIndia,2016. [ISBN: 978-81-26560-62-2]
5. R. K. Maurya, G. M. Magar, "System Programming", Wiley-Dreamtech, 2015. [ISBN:978-93-51198-16- 1]
6. Meera Shanker , Anita Chaware, "Academic Leaders And Strategies of 21 st Century", Edited book, ISBN 978-93- 5529-725-9, 2022,Author Press.

Books Chapters:

1. Mrs Anita Chaware, "Social networking site and Marketing", Information Technology management JSPM, 978-3-8454- 4046-0 ISBN 376-378 Augest 2011
2. Patel, Rupa; Chaware, Anita; "Mobile Net architecture and its application to computer vision", Computer Vision and Recognition Systems Using Machine and Deep Learning Approaches", IES publication, ISBN 978-1-83953-323-5, 2022

3. Use of Neural Network Classifiers for Betterment of Mental Health, Mental Health: A Global Concern and Conviction, ISBN, 978-93-5493, 2022
4. Ms. Jidynasa Patil, Dr. Anita Chaware, "GEOFENCING FOR ELDERLY", A IoT and Big Data Analytics for Smart Healthcare Applications: IoT and Big Data Analytics; Vol: 3, in publication process, 2022-23
5. Dr. Anita Chaware, "Need and importance of LMS for Academic Leaders, Academic Leaders and Strategies of 21st Century", Edited book, ISBN 978-93-5529-725-9, pg-118, Author Press, 2022.
6. Dr. Meera Shanker ; Dr. Anita Chaware, " Capacity Building of Academic Leaders for Accreditation of Higher Education.", Academic Leaders And Strategies of 21st Century", Edited book, ISBN 978-93-5529-725-9,pg-118, Author Press, 2022

Research Project:

1. Thirty thousand rupees (₹ 30,000/-) were sanctioned by the SNDT WU under SUTTI in march 2018 to Dr. Anita Chaware for doing research on "A study of learning gain from usage of web 2.0 in Higher Education."
2. Two Lakh Sixty Thousand Rupees (₹ 2,60,000/-) is sanctioned by the SNDT University Research Fund in March 2023 to Dr. Anita Chaware and Mrs. Shaesta Mujawar for doing research on " A study using AI methods to examine the effects of malnutrition on Cancer patient's Life expectancy".

Star Alumnae

Ranu Pande
Vice President at Capgemini

Pushpa Damade
Senior Systems Analyst , Government of Newfoundland and Labrador, Canada

Deepali Gupta
Vice President -Mitsubishi UFJ Financial Group, United States

Natasha Kapoor
Business and Integration Arch Sr. Manager, Accenture Australia

Rama Karmokar
Data Engineer
Lead Direct Line Group, UK

Neha Jain
Regional Technology Risk and Controls Manager, UAE

Shikha Virmani
Advisor-Application developer at CVS Health, US

Neha Jain
Regional Technology Risk and Controls Manager, UAE

Neha Sharma
Senior Software Engineer, Stretto, California US

एस्. एन्. डी. टी. महिला विद्यापीठ

* कुलगीत *

"संस्कृता स्त्री पराशक्ति" स्वर हमारा है
विश्व है परिवार, भारत घर हमारा है।
हम नहीं हैं दीन, कहता कौन हम अबला
है सबल संस्कृति हमारी, हम सभी सबला
ज्योती से जगमग हुआ, अंतर हमारा है।।
स्वप्न ठाकरसी हुआ साकार है इसमें
महर्षि कर्वे तपस्या - सार है इसमें
हम दिशाएँ और यह दिनकर हमारा है।।
"संस्कृता स्त्री पराशक्ति" स्वर हमारा है
विश्व है परिवार, भारत घर हमारा है।

Booklet Committee

- **Prof. Medha Tapiawala, Dean, Faculty of Humanities**
- **Mr. Mehul Khale, PRO**
- **Mr. Shrikant Salekar, Jr. Stenographer**

Published by
Shreemati Nathibai Damodar Thackersey Women's University, Mumbai