

## ABOUT AMAR SHAHEED HEMU KALANI YADGAR MANDAL

### Introduction

Hemu Kalani, born on 23.03.1923 at Sukkur, Sindh, chose revolutionary path for freedom of India. On 21.01.1943 he was hanged by alien Government. Till his last breath he chanted "Bharat Mata Ki Jai".

Amar Shaheed Hemu Kalani Yadgar Mandal is constituted to inculcate feelings of Patriotism in Society and provide activities of social services & professional education, Memorial building of six floors is constructed with each floor of 3000 sq. ft. now entire memorial building, Ground plus five-storeyed is complete to serve the community through various educational activities with a quality and value added training dedicated to upliftment of society with preference to women and weaker section. We are grateful to all our Donors, Volunteers and all those who helped us in our endeavor to achieve our object of social service.

This new building has been developed for **Bachelor of Computer Applications (BCA)** and other academic / professional programs.

The Colleges in the campus are :

- 1) Smt. Jamnabai H. Wadhwa College of Technology.
- 2) Kothari College of Management Studies.
- 3) Amar Shaheed Hemu Kalani Junior College.
- 4) S. R. Tulsiani Career College.

### Introduction S.N.D.T. Women's University

Shri Maharshi Karve the bold social reformer dedicated his life to the progress of Indian women. Shrimati Nathibai Damodar Thackersey Women's University (SNDT) was founded by him. This University was launched in 1916.

The unique features of this University are :

1. It is dedicated to the cause of women's education.
2. It offers various courses that are relevant to women (Home Science & Vocational) along with courses in Arts, Commerce, Management and Computers.
3. It offers instruction in four media. English, Gujarati, Hindi and Marathi.
4. It has jurisdiction across the country.
5. It has got 5 stars under accreditation by National Assessment and Accreditation Council (NAAC) in the year 2000.

### Mission Statement :

"Empowerment of  
Women Through Quality  
in Education"

### Our Vision

**A. S. Hemu Kalani Yadgar Mandal's Smt. Jamnabai H. Wadhwa College of Technology** is committed to the Empowerment of Women through quality oriented professional education.

In keeping with this single minded determination, our institution strives :-

- 1) To encourage women to develop their full creative potential.
- 2) To provide for women access to higher education through formal and non-formal streams inducing adult and continuing education.
- 3) To provide for women a wide range of professional and vocational courses to meet the socio - economic demands.
- 4) To develop scholarship and research in emerging areas of study, particularly with focus on women's perspectives.
- 5) To inculcate among women positive self concept, awareness of women's issues and right with a rational outlook forwards society.
- 6) To enhance purposeful education with "Human Values" and "Social Responsibility" by participating in outreach programs
- 7) To achieve excellence in academic disciplines, research and extension activities, through emphasis on "Quality in Every activity."

### Bachelor of Computer Applications (BCA)

There has been an accelerating development in the Computer Industry and the number of women entering the field is growing rapidly. In order to cater to the demands of the computer industry as well as women aspiring to achieve quality

education and qualification in computer technology in the new millennium, A. S. Hemu Kalani Yadgar Mandal has introduced Bachelor of Computer Applications (BCA) a Bachelor's program of 3 years duration under Smt. Jamnabai H. Wadhwa College of Technology in the academic year 2008-09. Affiliated to S.N.D.T. Women's University.

### Full time Courses after BCA

- **MCA** : Master in Computer Applications
- **MCM** : Master in Computer Management
- **MET-CA** : Master in Education Technology in Computer Application
- **MMS** : Master in Management Studies
- **MBA** : Master in Business Administration
- **MSC-IT** : Master of Science in Information Technology

### Objectives

- ▶ The BCA Program aims to produce trained professional in software technology needed for the ongoing research in Computer Applications within the country and abroad.
- ▶ To provide career options for women in the Computer Industry.
- ▶ To create an objective platform for women who would like to work independently as software developers or systems analysts for any modern developing systems.
- ▶ To Create Women Entrepreneurs in I.T. Industry.

## TERMS OF ADMISSION

The Application form along with prospectus can be obtained from A. S. Hemu Kalani Yadgar Mandal on payment of cash. **There is no entrance exam for admission to the course.**

### ELIGIBILITY

Candidates seeking admission for the BCA course must have passed

- a. Higher Secondary School Certificate Examination held at the end of XII standard conducted by the Maharashtra State Board of Higher Secondary Board or an Examination of another State or Board recognized as equivalent thereto **with and aggregate not less than 50% for Open Category and not less than 45% for those who come under Reserved Category.**
- b. Three year full time Diploma in Engineering of Technical Education Board with an aggregate not less than 45%.

### ***Documents required at the time of submitting admission form.***

1. Three attested copies of H. S. C. mark-sheet or an equivalent board exam mark-sheet.
2. Three attested copies of leaving certificate.
3. Photograph Two **stamp** size photograph to be attached to the admission form.
4. Three attested copies of Aadhaar Card.
5. In case of students migrating from any state other than Maharashtra a student will have to submit the provisional eligibility certificate at the time of admission. Admission shall be

confirmed only after the Final Eligibility Certificate is issued by the Maharashtra State Board of Higher Secondary Education. Mumbai

Following are the documents required for the eligibility certificate.

- i. Mark-sheet of the last Examination.
- ii. Passing Certificate.
- iii. Migration Certificate from the previous Board/University
- iv. Transfer Certificate / Leaving Certificate.
- v. Character Certificate. p

**Note :** Students are required to submit all relevant **original** documents at the time of admission.

### **Submissionm of Admission Form**

Last date for procuring admission form and prospectus will be put up on the college notice board.

### **College Timings**

Classes will be conducted from 8.00 a.m. to 2.00 p.m.

### **Coursework Information**

<b><i>Medium of Instruction</i></b>	English
<b><i>Duration of Course</i></b>	3 Years
<b><i>Intake of Students</i></b>	60
<b><i>Commencement of Course</i></b>	September 2020

### **Fees**

Fees for the Three year Degree course in Bachelor of Computer Applications (B.C.A.) is as follows.

I Year B.C.A.	30,500/-
II Year	31,000/-
III Year	31,000/-

Fees for each year are payable by Demand Draft at the time of Admission. Draft should be made payable to

**Smt. J.H.Wadhwa College of Technology**

Besides the above fees, additional fees is required to be paid towards Value Added Courses, Personality Development, Foreign language, Journals, Yoga, Net surfing etc. at the time of admission for every year. Need based courses are introduced and fees may be charged accordingly. This additional fee is payable by Demand Draft whenever it is announced.

### **Freeship**

The government grants freeships for SC/ST candidates. Forms for freeship are available in the office and must be submitted along with necessary documents like caste certificate etc. The college will submit these forms to social Welfare Office, Chembur.

### **Convocation Fees**

Convocation fees will be paid to the college separately. The amount of convocation fees and the last date of payment will be displayed on the college notice board. Students will receive convocation forms from the University.

### **Caution Money**

The amount of caution money paid at the time of admission will be refunded to

the student on application and on producing the receipt of payment of caution money if the same is claimed within a period of six months from the date the students leaves the institution. In the absence of the receipt and if the amount is not claimed within the prescribed period, the amount will be forfeited.

### **Rules for Refund of Fees**

A written application for the refund of fees together with the fee receipt will have to be submitted by the students concerned to the Principal. The fees will be refunded as under.

1. If Refund Application is received before opening of the college : 90% of Fees + Full Other Fees will be refunded except the admission fee.
2. If Refund Application is received within 8 days after the college open : 80% of Fees + Full Other Fees will be refunded except the admission fee.
3. If Refund Application is received within 15 days after the college open : 70% of Fees + Full Other Fees will be refunded except the admission fee.
4. If Refund Application is received within 30 days after the college open : 50% of Fees + Full Other Fees will be refunded except the admission fee.
5. If the student leaves the college after 30 days of securing the admission, no fees will be refunded.
6. The fees will be refunded to the student anytime during the first academic year of B. C. A. course if she secures admission in professional courses such as B.E. / B. Tech., B. Arch., M.B.B.S., B.D.S. and other recognized para medical courses of the University with proof of admission, after deducting Rs. 2000/- per month or part thereof towards the facilities used by them.

## B.C.A. COURSE STRUCTURE

### Semester I (First Year)

- 1101 Business and Technical Communication skill
- 1102 Principles and Practice of Accounting
- 1103 Introduction to Programming and Problem Solving using C
- 1104 Computer Fundamentals and Operating Systems
- 1201 Problem Solving using C Lab\*
- 1202 GNU/Linux LAB\*

### Semester IV (Second Year)

- 4101 Data Structures and File Organization
- 4102 Information Systems Analysis and Design
- 4103 Introduction to Software Engineering
- 4104 Object Oriented Programming Using C++
- 4201 Data Structures Lab
- 4202 Object Oriented Programming C++ Lab

### Semester II (First Year)

- 2101 Introduction to Logic Circuits and Digital Design
- 2102 Discrete Structures and Graph Theory
- 2103 Advanced C
- 2104 Environmental Science & RTI
- 2201 Advanced C Lab\*
- 2202 Open Source Operating System and Applications Software's LAB\*

### Semester V (Third Year)

- 5101 Data Communication and Networking
- 5102 JAVA Programming
- 5103 Visual and Database Programming
- 5104 Internet Programming
- 5201 JAVA Programming Lab\*
- 5202 Internet Programming Lab\*

### Semester III (Second Year)

- 3101 Introduction to Microprocessor
- 3102 Numerical Methods and Algorithms
- 3103 Computer Organization and Architecture
- 3104 File Structure and Database Management System
- 3201 Microprocessors Lab\*
- 3202 Database Management System Lab

### Semester VI (Third Year)

- 6101 Management Information System
- 6102 Enterprise Resource Planning
- 6103 Intelligent Property Rights, Patents and Cyber Laws
- 6104 Elective
  - 1. E-COMMERCE
  - 2. Artificial Intelligence
  - 3. Web Technology
- 6201 Project\*

### Attendance

1. Students are required to attend the college regularly and punctually unless granted leave of absence by the relevant authorities. They are liable to be fined if found habitually late or irregular.
2. No student is allowed to be absent without obtaining prior permission of the college authority. In case of sickness an application for the absence will have to be submitted immediately along with medical certificate and necessary supporting documents.
3. The students are required to submit the internal submissions as prescribed by the teacher. No late submission will be accepted for evaluation.
4. In order to be permitted to appear for the examination, a student must have an attendance of at least 75% of the possible number of days of attendance in the whole year. A student absent for three consecutive classes will not be allowed to appear for the unit Test except upon her absence due to illness.

### Examination

#### Pattern of Examination

The college will conduct the first year and second year examinations.

The Final Year examinations in theory and practical of all subject will be conducted by SNTD Women's University.

Duration of each External paper will be 2 1/2 hours.

**Exam Fee :** Exam fees should be paid separately for each semester for Repeater as well as Fresh students.

#### Internal Assessment

Internal Exam will consist of

- Test (10 marks)
- Presentation, Project, Industrial Visits, Viva, Presentations, Quiz, Case Study, Practicals etc. (15 marks)

### Terms of Passing

A minimum of 30 marks out of 75 i.e. 40% in external assessment and 10 marks out of 25 in internal assessment and 40 marks out of 100 aggregate are required for passing a subject.

#### Rules for ATKT (Allowed To Keep Terms)

**A.T.K.T. :** A student is allowed to keep term for **Maximum 4 papers** in each year and before going to **Third Year** all the papers of **First Year** have to be cleared.

**For Sem. II :** A student who fails in Semester I in any number of papers is eligible for Semester II.

**For Sem. III :** A student who fails in more than four papers of Semester I and Semester II (First Year) together will not be eligible to register for semester III i.e. Second Year.

**For Sem. IV :** First Year ATKT and or a student who fails in Semester III in any number of papers is eligible for Semester IV.

**For Sem. V :** A student should have cleared all papers of Semester I and Semester II (First Year) and should not have failed in more than **four papers in semester III** and Semester IV together (Second Year) to be eligible for Semester V that is Third Year.

**For Sem. VI :** Second Year ATKT and / or a student who fails in Semester V in any number of papers is eligible for Semester VI.

**Fail :** If a student fails in more than 4 subjects in a year then she can not register for the next year.

**Award of Class**

- a) Last four Semesters that is Semester III, IV, V and VI are considered for class.
- b) Individual Semester will not be given class
- c) Repeater students are also eligible for award of class.

MARKS %	GRADE
90.00 -100.00	O+
80.00 - 89.99	O
70.00 - 79.99	A+
60.00 - 69.99	A
55.00 - 59.99	B+
50.00 - 54.99	B
45.00 - 49.99	C
40.00 - 44.99	P
<=39.99	F
AB	AB

**Grace Marks**

- a) In each Semester Maximum 5 grace marks are to be distributed in not more than 3 papers with maximum of 3 grace marks for passing the external component.
- b) For award of class (i.e. 2nd class or 1st class) maximum of 3 marks may be added to any individual paper of that examination, Provided the candidate has not been given any other grace marks in that examination.
- c) No grace marks should be given for Distinction / 'O' grade / ATKT / for obtaining exemption in a paper.

**Incentive Marks**

- a) Maximum five Incentive marks will be given to students for participation in activities like Sports, NSS, NCC, Cultural Activities, Extension Education etc.
- b) The marks will only be given at the end of the third year.
- c) In case the student participates in more than one activity the highest marks obtained will be considered.

**Class Improvement**

- 1) A candidate desiring to improve the class will have to appear for the subject of last four semester and shall be permitted to avail exemption in such subjects in which she has secured 55% or more marks in the first attempt.
- 2) A candidate shall be permitted to avail this facility only once during the period of five years from the date of declaration of results.
- 3) Every such candidate shall register at the respective college by paying the registration fees as per the University Rules existing at that time.

- 4) Internal Assessment marks shall be carried forward for declaring the result of class improvement.
- 5) A successful candidate will be given a mark sheet and a degree certificate by the University.
- 6) A class improvement student shall not be eligible for prize, scholarship or medal.

### Special Features

#### **Practical Training**

Students are subjected to rigorous practical training during the period of study.

#### **Job Placements**

Due to the accelerating demand for computer applications, Campus interviews by renowned software companies will be arranged by the management to offer job opportunities to bright deserving students.

#### **Internship**

In order to provide students exposure to the industry, students undergo internship during their summer vacations after completion of their semester IV examinations.

#### **Projects**

Students are given several projects during the course of three years which will be evaluated by experts from industry, Students will also complete a project in semester VI as part of their degree requirement. This project will be evaluated by an external examiner from the university.

#### **Counsellor on Campus**

We have a trained Counsellor on campus whose services are available free of charge to all members of teaching, non-teaching staff and students.

#### **Library**

The library is meant for reading writing

and reference work. The college library has a good collection of books. CD's journals and periodicals on the subjects of Computer Technology and is for the purpose of reference for students and staff. It remains open from 9.30 a.m. to 5.30 p.m. on weekdays except on Saturday when it closes at 3.30 p.m. it remains closed on Sundays and Holidays. Strict silence and utmost cleanliness have to be maintained to provide an atmosphere conducive to study.

#### **Computer Lab.**

The college is well equipped with the facility of computers and computer software needed for the practicals.

Students can avail of this facility during all working hours except during and ongoing practical class. Internet facility for browsing is provided with a limited number of hours during the course to each student. Additional internet facilities can be availed of as and when the lab is free, but these facilities cannot be misused for personal work like chatting, playing games etc.

#### **Excursion**

An excursion is arranged for students every year outside Mumbai to places of educational and cultural importance, wherein they visit computer industries.

#### **Extra Curricular Activities**

Various activities such as sports, cultural events, picnics, literary meets, lectures, seminars and exhibitions will be organized during the course of the year.

### Holidays

The college will remain closed on Sundays and all public holidays as declared by the Government of Maharashtra and on such other days as the principal declares from time to time.



