







Technical Specifications of Param Shavak Super Computer
Model Name : Intel® Xeon® Gold 6145 CPU @ 2.00GHz
CPU MHz : 1000.000
Cache Size : 28160 KB
Cpu Cores : 20
Address Sizes : 46 bits Physical, 48 bits Virtual
RAM :96 GB
HDD : 4TBX4 +16TB Raid 5 Implemented

- Built-in HPC Applications
- Bio-informatics: mpiBLAST
 - Molecular Dynamics: GROMACS
 - Materials Science: Quantum Espresso
 - Quantum Chemistry: NWChem, ABINIT
 - Atmospheric and Ocean Modeling: WRF, MOM
 - CFD: Open FOAM
 - Other Applications: CP2K, LAMMPS, NAMD











FINEST MEMORIES @ SPCE



EXCLUSIVE LAB'S FOR RESEARCH PROJECTS



Android Lab

E-Yantra

Apple Lab

Super Computer

KEY RECRUITERS



Department of Computer Application (MCA)

Sankalchand Patel College of Engineering, S.K. Patel Campus, Near Kamana Cross Road,
Gandhinagar – Ambaji State Highway, Visnagar – 384315, Dist – Mehsana. • www.spu.ac.in

Contact for Admission :

9924268336 / 9736362020 / 9898404909 / 9736363030

www.mca.spcevng.ac.in • E-mail : hodmca_spce@spu.ac.in • Facebook : @spcemca

ACADEMIC PROGRAMME

Faculty of Computer Science

MCA/IMCA (Integrated BCA + MCA)

Established in 2008.

Master of Computer Application (MCA) is the Department under Sankalchand Patel College of Engineering which was established with an objective of preparing world class professionals in the field of computer science.

It emphasis on 360 degree developments of its students, thus helping them in achieving academic excellence a bright career opportunities. We aim not only at preparing dynamic, enthusiastic, and potential professionals but also good and worthy citizens of this great country for making India a develop nation by 2047.

We treat every student as an individual learner, recognize his/her potential and ensure that they receive the best platform and training to meet their career ambitions and life goals ...

➤ MCA (Master of Computer Application)

- Intake – 60 • Duration – 2 Years

➤ IMCA (Integrated Master of Computer Application)

- Intake-60 Seat • Duration - 5 Years

Eligibility For MCA :

Passed B.C.A/B.Sc. (Computer Science)/B.Sc.(IT)/B.E. (CSE)/B.Tech.(CSE)/B.E.(IT)/B.Tech.(IT) or equivalent Degree.

OR

Passed any graduation degree (e.g.: B.E./B.Tech./B.Sc./B.Com./B.A./B.Voc./etc.) preferably with Mathematics at 10+2 level or at Graduation level Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination. (For students having no Mathematics background compulsory bridge course will be framed by the respective University/ Institution and additional bridge courses related to computer subjects as per the norms of the concerned University).

Eligibility For IMCA :

Passed 10+2 examination with English as a Compulsory Subject. Also, any one subject from the following is compulsory.

- Mathematics - Statistics - Accountancy - Physics - Business Mathematics - Computer (Students have not studied from above subjects, they have to study and pass compulsory bridge(pre-requisite) course framed by the University)

Obtained at least 45% marks (40% marks in case of candidates belonging to reserved category) in the above subjects taken together.

Ph. D.

Institute at a Glance



SPCE – A Place to Learn, Explore and Grow..... Come and Join Us

ABOUT UNIVERSITY

- 84 Acres of Lush Green Campus
- 13 Institutes
- 15000 + Students
- 55,000 + Books
- 500 + Teaching Faculty Members
- Collaboration with 25+ foreign Universities
- Wi Fi – Campus
- 24 x 7 Multi Speciality Hospital
- Hostels Facility for Boys & Girls (A/c. & Non A/c.)
- Campus Amenities at Sports Complex
- Auditorium, Open Air Theater, Canteens and Transportation
- Skill Development Programs
- Boys & Girls Hospitality with Mess Facilities



AT THE HELM



Shri Prakash Patel (President, SPU)

"The Sankalchand Patel University is committed to the cause of social upliftment through value added education and assure that "Tomorrow is ours".

Message From Provost, SPU

"Our university's vision is to transform individuals through quality education pertaining to research, innovation and entrepreneurship. We are committed to serve the needs of the society at large by imparting state-of-the-art education and to provide knowledge and value added learning. "

Message From Principal, SPCE

"Our institute strives to nurture young minds with creativity and innovative practices to produce global technocrats. Our focus is to mould them as highly competent technical professionals with wide range of analytic, strategic and leadership skills capable of facing the challenges of technical world"

ALUMNI ACROSS THE GLOBE



Urvish Patel, Senior Android Developer,
Scotiabank, Toronto, Ontario, Canada



Sandip Khatri, Mastek,
Oracle HCM Solution Architect, USA.



Mayank Patel, Lead Software Engineer
at SSENSE, Montreal, Quebec, Canada



Rupal Soni
Career Break, Dubai



Darshini Patel,
SQL Developer, TCS, New York.

ABOUT INSTITUTE

- Awarded as "Emerging MCA College" for Standard Quality Academics in Gujarat
- Industry Oriented Syllabus : Designed as per NEP 2020. Specialization in AI & ML, Data Science, Cyber Security & Full Stack Development
- CBCS and outcome based on experiential & Application Oriented Teaching & Learning.
- Curricular and Extra-Curricular activities
- SSIP Cell, NISP Cell, Patent Information Cell & Anti Ragging Cell
- MOUs with Top International Universities & IT Industries
- Faculties with Ph.D. Qualification and Average Experience of 15 years.
- AC Classroom with Ultra-Modern Facilities
- Wi-Fi Campus
- Library with more than 20000+ books & E-Resources
- Advance Computer Lab with high-speed internet connection
- Android Lab, Apple Computer Lab, IOT Lab, Super Computer
- Hostel (Boys/Girls)(A.C./Non A.C.) & Mess Facility
- Sports Complex and Transportation
- Mega Events in Technical, Cultural like Tech-Vision, Udaan, Thanganat Navratri etc.
- Industrial Advisory Board (IAB)
- Community services as a part of social responsibility
- Support 3 Tier Placement process & 100% Placement Assistance
- National & International Alumni base Association
- 110 + Corporate Tie Ups.

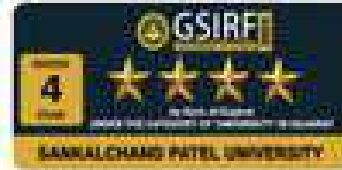
IIT Bombay – IIT Kharagpur Remote Center under MHRD, India

Vibrant Geoinformation Chapter Supporting by ISG-ISRO



**SANKALCHAND PATEL
UNIVERSITY**

॥ वाचं धेनुमुपासीत ॥
ISO 9001 : 2015 Certified



FACULTY OF COMPUTER SCIENCE

ADMISSIONS

- M.C.A
- I.M.C.A.
- Ph.D.

Serving Society Since 1999
Department of Computer Application (MCA)
SANKALCHAND PATEL COLLEGE OF ENGINEERING,
SANKALCHAND PATEL UNIVERSITY, VISNAGAR
E-mail : hodmca_spce@spu.ac.in | www.mca.spcevnng.ac.in