

UNIVERSITY & INDUSTRY
INTERACTION CELL
(UIIC)

A
Booklet
of
Facilities and Expertise
Available at
Sardar Patel University
For
Transfer of Potential Technology
And
Industrial Consultancy



SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar - 388 120



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UNIVERSITY & INDUSTRY INTERACTION CELL
(UIIC)

UIIC committee

N V Sastry
T V Ramana Rao
P C Vinodkumar
N M Batra
S S Soni

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Foreword

It is a pleasure to write this foreword for the Booklet of Resources and Expertise having strong Potential for Technology Transfer and Consultancy available with us during the Diamond Jubilee year of our Sardar Patel University. Realizing the necessity of close cooperation between the universities and the industries, Sardar Patel University has taken up the initiative to establish the University and Industry Interaction Cell (U I IC) with an aim to promote collaboration among the academia in the University and the industries to team up together to develop indigenous technology, to achieve technical adeptness and excellence, so that the challenges of national as well as global competition with future outlook are met with a will to win.

One of the numerous objectives set for the U I IC is to create a database regarding expertise and facilities available on the campus so as to facilitate the possible coordination of R & D Projects/Sponsored Projects/Consultancies/Training Programs between the various University Departments and Industries to cover the areas of Product promotion / Process Development and Technology Transfer etc.

This updated booklet contains complete information about the Infrastructure, Testing facilities, List of processes and technology developed with potential for industrial adoption and a Core Competence and expertise of our faculty members. I wish and strongly believe that this compendium will be very useful and will be highly appreciated by the Industries, Government Agencies and by the stake holders.

Contents

1.	Sardar Patel University at a Glance	01
2.	About U I I C	03
3.	Specific Areas of Research Activities	04
	<i>Departments of...</i>	
3.1	Biosciences	
3.2	Chemistry	
3.3	Home Science	
3.4	Physics	
3.5	Mathematics	
3.6	Electronics	
3.7	Materials Science	
3.8	Statistics	
3.9	Computer Science	
3.10	Interdisciplinary Studies in Science and Technology	
3.11	Business Administration (MBA)	
3.12	Business Studies (Commerce)	
3.13	Economics	
3.14	Education	
3.15	Hindi	
3.16	Psychology	
3.17	Library & Information Science	
4.	Sophisticated Equipments and Facilities in Science Departments	10
5.	Potential Possibilities for Industrial Consultancy and Technology Transfer	15
5.1	Biosciences	
5.2	Chemical Sciences	
5.3	Home Science	
5.4	Physics	
5.5	Materials Science	
5.6	Electronics	
5.7	Statistics	
5.8	Computer Science	
5.9	Interdisciplinary Studies in Science and Technology	
5.10	Business Administration (MBA)	
5.11	Business Studies (Commerce)	

- 5.12 Economics
- 5.13 Hindi
- 5.14 Psychology

6. Industries availing analytical services of the Departments 19

Departments of...

- 6.1 Chemistry
- 6.2 Physics
- 6.3 Electronics
- 6.4 Materials Science
- 6.5 Business Administration (MBA)

7. Profile of faculty members and their expertise 21

Departments of...

- 7.1 Biosciences
- 7.2 Chemistry
- 7.3 Home Science
- 7.4 Physics
- 7.5 Mathematics
- 7.6 Electronics
- 7.7 Materials Sciences
- 7.8 Statistics
- 7.9 Computer Science
- 7.10 Business Administration (MBA)
- 7.11 Business Studies (Commerce)
- 7.12 Economics
- 7.13 Hindi
- 7.14 Psychology
- 7.15 Sanskrit

8. Details of campus placement of students (for last three years) 74

Departments of...

- 8.1 Chemistry
- 8.2 Home Science
- 8.3 Electronics
- 8.4 Materials Science
- 8.5 Statistics
- 8.6 Computer Science
- 8.7 Business Administration (MBA)
- 8.8 Business Studies (Commerce)
- 8.9 Library & Information Science

9. General and Sports Utilities

78

- 9.1 Bhaikaka Library
- 9.2 Auditorium/Conference Hall
- 9.3 Guest House, Quarter and Rooms of Hostels
- 9.4 Dining Hall
- 9.5 University Playground
- 9.6 Yugpurush Swami Vivedanand Sport Complex
- 9.7 University Press
- 9.8 Botanical Garden

1. Sardar Patel University At a Glance



Sardar Patel University (SPU) is a state university of **Gujarat, India**. It is named after independence leader, Iron Man of India and First Home Minister of Independent India, **Shri Sardar Vallabhbhai Patel** (October 31, 1875–December 15, 1950). It was founded in 1955 by Shri Bhailalbai D. Patel, known as Bhaikaka. This university is considered as one of the best in India for higher education. The university was established by an Act of the Legislative Assembly of the then-Bombay Province in December 1955 and was UGC recognized under 2(f) of the UGC Act in October 1968.

Sardar Patel University is situated in Vallabh Vidyanagar. What was once a wilderness at the tri-junction of Karamsad, Bakrol and Anand became Vallabh Vidyanagar, and the ‘Vallabh’ was prefixed to ‘Vidyanagar’ in recognition of Sardar’s advice to work for rural uplift. The educational township of Vallabh Vidyanagar is 5 Kms from Anand, Milk City of India and 2 Kms from Karamsad, the native place of Sardar Patel. Anand-Vidyanagar is on the Vadodara-Ahmedabad line of the Western Railway in the heart of Anand District of Gujarat. It is well connected with the rest of the country by railway network and roads. It is flanked by the two major airports of Gujarat: Sardar Patel International Airport at Ahmedabad and the Vadodara Airport, Vadodara.

Sardar Patel University comprises of 26 Postgraduate Departments, a constituent college, and 87 colleges affiliated to it. There are 31 PG courses available in the affiliated colleges/institutions. The teaching programme covered at Postgraduate level under various faculties such as Science, Arts, Commerce, Management, Engineering, Pharmacy, Medicine, Homeopathy, Home Science, Law and Education includes Postgraduate Degree Courses, Postgraduate Diploma Courses, Diploma Courses, and Advanced Certificate Courses. Undergraduate Courses are taught in the colleges or institutes affiliated to the University.

All the Postgraduate Science Departments, Postgraduate Department of Library and Information Science, and Postgraduate Department of Business Management follow the Semester System. University also offers external Postgraduate programme.

The courses offered are framed keeping in view the needs of the students, the society, and the employing agencies – industry or organizations – at the state, the national and the international levels.

Besides conventional methods used for classroom teaching, modern methodologies and tools such as overhead projectors, multimedia projectors, a variety of audio-visual aids are employed for effective teaching and instruction. To make the learning more effective and vibrant, seminars, group discussions and visits to industries and institutions are also incorporated as part of the curriculum.

All the Postgraduate Departments are well networked both for their academic and research purposes. With such a variety of disciplines available, it is possible for any prospective student to choose what he/she would like to do while pursuing further studies.

Several of National Funding Agencies like UGC, DST, CSIR, DBT etc. recognized the research contributions made by several of P. G. Departments of Sardar Patel University as these departments have been honored with their special schemes or programs like, Centers of Advanced Studies, Centers of Excellence, SAP, DSA, COSIST, FIST, PURSE, etc., besides several major research projects sanctioned to individual faculty members. Also DST has identified the University under its PURSE program. Besides, several State agencies and Private organizations have also funded the research programs of the University.

Originally it had the status of a rural university but later on it has been diversified with the motto of "Excellence Matters". The university is the first among all the universities in Gujarat to volunteer for the UGC's NAAC accreditation in 2000. Sardar Patel University is listed among top 30 Universities for scientific research.

The University has completed 60 Glorious Years of fruitful existence that has brought it to be in the forefront in academic excellence. Vallabh Vidyanagar is considered as Gujarat education hub and it is also known for student friendly environment and student diversity. No wonder, then efforts have been made either to emulate its example or to replicate it elsewhere in Gujarat for rural regeneration.

2. A brief account of U I I C

With Emergence of free market economy considerable emphasis is being given, the world over, for the close co-operation between industries and universities. With this in mind, University-Industry Interaction Cell (U I I C) has been established at Sardar Patel University to promote co-operation amongst Faculty members of the University and the leaders of the Industry to achieve technical proficiency and excellence. Today such an interaction between Industry and Academia in Indian context is much more valid with the boost it can provide to the 'Make in India' movement initiated very recently.

Under the present scenario of Nation Building engulfed with global competition and challenges, the U I I C works with the following specific objectives:

- ❖ To create database on Need Analysis of Industries in the state
- ❖ To create database on expertise/facilities on the campus
- ❖ To co-ordinate R & D projects/consultancy/sponsored projects/ to address technical problems facing the Industry and the University and exploring technology transfer of the new processes and technology developed by the University Departments.
- ❖ To assist in signing of MOU, promote patent awareness and development of IPR/Patents by the University faculty based on their products and processes developed
- ❖ To help testing/characterizations of the materials or samples of Industrial applications
- ❖ To offer training programs/to co-ordinate Seminars relating to research outcomes with potential Industrial Applications.
- ❖ To characterize, test and analyze industrial products
- ❖ To keep liaison with various funding agencies and Govt. organizations
- ❖ To make aware about the expertise resources available with the University

All Post graduate departments of the University are well equipped and engaged in advance research. Testing facilities in the Departments and the benefits of research will be made available to the Industries as per the need.

UIIC Committee

3. Specific Areas of Research Activities

3.1 Department of Biosciences

- Microbial and Environmental Biotechnology
- Plant Morphogenesis and Physiology
- Plant and Animal Biotechnology
- Plant and Microbial Biodiversity
- Photochemistry and allied areas
- Microbial and Environmental Biotechnology
- Purification and structural characterization of phycobiliproteins from Cyanobacteria
- Identification of novel genes for bioremediation through metagenomic approach
- Characterization of Arsenic hypertolerant microorganisms
- Microbial and Environmental Biotechnology
- Production, purification and characterization of microbial secondary metabolites
- Production of microbial enzymes and their applications
- Production and modification of biodegradable polymers
- Lactobacilli and their probiotic potential
- Plant and animal Biotechnology
- Genetic variants in diabetic population and its association with onset of diabetes and its secondary complications
- Proteomic identification and characterization of new
- Biomarkers in diabetic complications.
- Elucidation of disease resistance mechanisms in plants at structural, biochemical and molecular level
- Development of novel feed with probiotics for aquaculture
- Micropropagation of economically important medicinal plants
- Plant and microbial diversity
- Bridging the knowledge gaps in the flora of Gujarat
- Distribution mapping of medicinal plants in Shoolpaneshwar wildlife sanctuary
- Diversity assessment of culturable and unculturable microorganisms from various ecological niches and their bioprospecting
- Phytochemistry and allied areas
- Screening and characterization of Indian plants for their antimicrobial properties
- Use of medicinal plants in hyperlipemia and diabetes
- Role of dietary supplements in fluoride toxicity

3.2 Department of Chemistry

- Organic Synthesis especially synthesis of heterocyclic compounds
- Microwave synthesis, Polymer Chemistry
- Synthesis of Oxygen containing heterocycles especially coumarins and isocoumarins
- Coordination Bio-inorganic Chemistry
- Colloid and surfactant Chemistry
- Organic Chemistry (Heterocycles, dyes, drugs),
- Nano materials, Smart Polymers
- Hydrogels and Drug release systems
- Polymeric dyes
- Domino Chemistry
- Synthesis of Bioactive Polyheterocycles
- Ionic liquids
- Coordination Polymer Chemistry
- Material Chemistry
- Dye Sensitized Solar Cell

3.3 Department of Home Science

- Foods and Nutrition and Food Biotechnology
- Foods analysis
- Nutraceuticals
- Nutrigenomics
- Textiles and Clothing
- Biochemistry
- Microbial Metabolism
- Obesity
- Probiotics
- Antioxidants

3.4 Department of Physics

- Condensed Matter Physics (Theory & Experiment)
- Bulk Crystal Growth and Characterization, Nano materials/crystals growth and characterization
- Thin films (Bulk & nano particles)
- Device making and characterization.
- X-Ray Crystallography
- Computational Materials Science

- Hadron Physics (Theory)
- Atomic and Molecular Physics (Theory)

3.5 Department of Mathematics

- Analysis
- Banach and Topological Algebras
- Function Algebras and Function Spaces; Harmonic Analysis;
- Operator Algebras; Operator Theory;
- Mathematical Analysis:
- Financial Mathematics;
- Real Analysis;
- Relativity Theory
- Differential Equations;
- Geometric Methods; Tribology-I: Squeeze Film
- Graph Theory
- Biomathematics

3.6 Department of Electronics

- Thin Films (Bulk & Nano Particles)
- Thin Film Electronic Devices
- Gas Sensors
- Biosensors
- Bulk Crystal Growth and Characterization
- Embedded system Design
- VLSI Circuit Design and Simulation
- Computer Hardware and Networking
- Wi-Fi Networking Technology
- Gas Sensors and Bio sensors

3.7 Department of Materials Science

- Synthetic Polymers: Synthesis, Characterization and application
- Synthesis of nanomaterials
- Development and characterization of nanostructured composites
- Coating of substrates using PECVD
- Flame retardant Polymers: Synthesis, Characterization and applications
- Ceramic composites, Nano technology

3.8 Department of Statistics

- Statistical Inference
- Design of Experiments
- Theory of Sample Surveys
- Survey Sampling Inference
- Life Testing and Reliability
- Clinical Trials
- Biostatistics
- Financial Statistics
- Operations Research
- Statistical Process Control
- Non-regular parameter family of distributions
- Reliability-oriented-design

3.9 Department of Computer Science

- Computer Networks
- Simulation and Modeling
- IT enable Services
- Distributed Systems
- Computer Graphics
- Image Processing
- Multimedia
- Database Management Systems
- Operating Systems
- Artificial Intelligence
- Systems Analysis and Design
- Software Engineering
- Object Oriented Technology
- Web Applications
- Compiler Design
- Search Engine Optimization
- Analysis of Computer Algorithms
- Business Information System

3.10 Department of Interdisciplinary Studies in Science

- Bio polymer gels for drug entrapment and release
- Systems biology
- Bio-informatics
- Novel technologies for affordable health care

3.11 Department of Business Administration (MBA)

- Consumer Behaviour & Research activities
- Research methodology
- H.R.M
- Marketing Management
- Consumer Behavior
- Business Economics, International Business,
- Development Economics
- Human Development
- Public Policy
- Finance
- Technology based Enterprises
- Stock Markets
- Business Policy & Strategic Management, IEOB
- Financial Accounting: Cost & Mgt. Accounting

3.12 Department of Business Studies (Commerce)

- Finance & Accounts
- Entrepreneurship Development and Small Business
- Marketing Management
- Human Resource Management
- Banking
- General Management

3.13 Department of Economics

- Agricultural Economics
- Environmental Economics
- Human Development
- International Economics
- Natural Resources Economics
- Public Policy
- Quantitative Economics

3.14 Department of Education

- Advanced Cognitive Science in Learning perspective

3.15 Department of Hindi

- Modern Hindi Literature
- Dalit Sahitya

- Adivashi Sahitya
- Stri Vimarsh,
- Adhunik Katha Sathitya
- Kavita
- Madhyakalin Sahitya
- Hindi Drama & Dramatics
- Media
- Film
- Dramatics
- Research Methodology
- Translation
- Language & Literature (Hindi)
- Katha Sahitya (Fiction)

3.16 Department of Psychology

- Social psychology
- Industrial Psychology
- Counseling
- Organizational Behaviour
- Clinical Psychology
- Disability & Abnormal
- Special Children

3.17 Department of Library & Information Science

- Institutional/Digital Repository, Digital Library
- Digitization of University Publications & Manuscripts
- Rural Centre for Information Communication

4. Sophisticated Equipments and Facilities

4.1 Department of Biosciences

- FPLC (BioRad)
- AAS (AJ)
- HPTLC (Camag)
- HPLC (Agilent)
- Lyophilizer (FTS)
- 80°C freezer (Sanyo)
- Image Analyzer (Carl Zeiss)
- Iso electric focusing unit (BioRad)
- Fermenter (NBS)
- TOC analyzer (Shimadzu)
- Microplate reader (Microdevices)
- Microlog work station
- Thermocycler
- Image analyzer (Carl Zeiss)
- Hybridization oven
- U V cross linker
- Stirred cell (Millipore)
- High speed refrigerated centrifuge (Sigma)
- Phase contrast microscope (American Optics)
- Photomicroscope (Carl – Zeiss)
- Fluorescence microscope (Carl – Zeiss)
- MPM 400 Photo Metry, KS 3000 Image Analyser (Carl – Zeiss)
- Gas Chromatographs (Sigma, Chemito)
- TOC & TN analyzer (Shimadzu)
- Elisa plate reader (UV-Visible) (Microdevices)
- 2-D Gel electrophoresis unit with isoelectric focusing facility (Bload)
- UV- visible spectrophotometers (Hewlett Packard, Unicam Beckman, Systronic)
- Atomic absorption spectrophotometers (Analytik Jena)
- Fermentor (New Brunswick)
- Lyophiliser (FTS)
- Themocycler (Eppendorf)
- Gel documentation system (Gene line)
- Deep Freeze (-86°C) (Sanyo)
- Ultramicrotome (Reichert)
- Cryocut (Leica)

4.2 Department of Chemistry

- Vibrating Sample Magnetometer, VSM-7304
- FTNMR (AV-400 MHz)
- GPC 220 Gel Permeation Chromatograph
- DMA (Dynamic Mechanical Analyzer)
- Electro Chemical system, Solartron
- UV-VIS spectrophotometer, Shimadzu
- FTIR Spectrophotometer, MB3000
- Electrometer, Keithley
- Universal Testing machine, LLOYD
- Zwic Pendulum impact Tester
- HDT-VICAT tester
- Water analysis kit, HACH
- Dawn EOS Multi Angle light Scattering Detector, Waters HPLC & GPC System & Viscotek LR40 Detector
- Vapour pressure Osmometer
- Density and Sound Velocity Meter (DMA 5000)
- CHNO-S Analyzer
- TGA-DSC Thermal Analyzer
- Fluorescence Spectrophotometer
- Computer Cluster Laboratory

4.3 Department of Home Science

- Real Time PCR
- Spectrofluorometer
- Auto Analyser
- Colour Flex Meter
- Gel Documentation System
- Texture Analyser

4.4 Department of Physics

- Hall Effect Measurement System, Lakeshore
- Imaging Spectrometer, Horiba Jobin Vyon
- Trinocular Upright Metallurgical Microscope, Carl Zeiss
- High Temperature Furnace (1700 0C), Agni
- High Vacuum Coating Unit 12A 4BC, Hind High Vac
- Microprocessor Controlled Freeze Dryer with Acc. (Lipholizer)
- Precision LCR Meter (Measure upto 12 parameter) HP4284A, Hewlett-Packard

- Trinocular Zoom Microscope with CCTV system (IC 2000M), Getner
- 20 mw Diode pumped Green Laser Head with P.S DPGL 2000
- Variable Temp. Cryogenic Refri. Sys (REF-1266-RT) Cryo Industries
- Hind High Vacuum coating Unit Model 12A4D HIND HIGH VAC
- Single Crystal X Ray Diffractometer With CCD Detector Unit BRUKER
- X Ray Diffractometer System 10KVA & 15KVA Static Converter 3Ph- In to 1Ph-Out & 3Ph- In to 3Ph-Out (one each) Power On Microsystem
- Thermal Analyser SII nano Tech
- Particle Size Analyser—Zeta sizer Malvern Instru.
- Photoluminescence Spectrometer Perkin Elmer
- Photostat Galvenostat Astron Electronics
- Schordinger Molecular Docking Software Schordinger Inc
- LCR meter Automation Sys Eng.
- Constant Current Source Automation Sys Eng

4.5 Department of Electronics

- Pulsed Laser Deposition System
- Hind High Vacuum Coating Units
- Rotating Furnace (temp. up to 1500 C)
- Cadence Design Suit (analog and digital) – Complete VLSI Design Suit
- FPGA-CPLD based system Design Facility
- Chemical-less PCB manufacturing facility (CNC based)
- UV-Vis. Spectrophotometer
- Solar Trainer
- SCADA-PLC Modules for Industrial Automation
- DC Sputtering Machine
- BGA Rework Station
- PCB Inspection System
- High End MSO (Mixed Signal Oscilloscope)

4.6 Department of Materials Science

- Leica Microscope with Camera
- Universal Testing Machine (INSTRON)
- Automatic Surface Area Analyzer
- Thermal Analysis Systems (DSC,TGA, TMA)
- Fourier transformer Infrared Spectrophotometer
- Compression moulding machine
- Micro Raman Spectroscopy System
- Plasma Enhanced CVD System (PECVD)
- Tribometer (CSM Instrument)

- Automatic Micro Hardness Tester
- Agni furnace
- High temperature Horizontal Vacuum Tubular Furnace
- Nano Particle size Analyzer with Zeta Potential measurements
- Food Color Measurement
- Scanning Electron Microscope

4.7 Department of Computer Science

- HP ProLiant DL380p Gen8 OS : Windows Server 2012
- IBM X3650 M3 Server OS : Windows Server 2012
- IBM X3650 M3 Server OS : Windows Server 2012
- IBM X-Series 225 Server OS : Windows Server 2008 R2
- Compaq ML530 Server OS : Windows Server 2008 R2
- IBM X-Series 225 Server OS : Ubuntu Linux 11.04
- IBM X-Series 225 Server OS : Windows Server 2008 R2
- Compaq Alpha Server DS10 OS : Tru64 Unix 5.1a
- Sun Ultra 10 Server OS : Sun Solaris 8.0
- Wi-Fi Campus

4.8 Centre for Interdisciplinary studies in science and Technology (CISST)

- Ultra Fast Triple Quardupole Liquid Chromatography and Mass Spectrometer ; Model: LCMS 8030 With Nexera UHPLC; Make: Shimadzu, Japan
- Millipore Water Purification System, Make: Merck Millipore, India Pvt. Ltd.
- Spectrofluorophotometer; Model: RF-5301PC; Make: Shimadzu, Japan
- Inverted Fluorescent Phase Contrast Research Microscope; Make: Carl-Zeiss, Germany
- Research Rotatory and Oscillatory Rheometer; Model: MCR 102 Modular Compact; Make: Anton Paar, Graz. Austria
- CCD Single Crystal Diffractometer; Model :Kappa Apex II
- Fluorescence Micro Plate Reader; Model: Spectramax MZ & Multi Detection); Make: Molecular Devices LIC, U. S. A
- Cold Storage Freezer (-80) 300 Ltr, Model: U410; Make: Eppendorf
- High Performance Particle Size Analyzer along with Zeta Potential; Model: SZ100; Make: Horiba Ltd., Japan
- Complete DCI-VC-V Semiconductor Characterization System; Make: Tektronik Asia Ltd., Beaverton
- Isothermal Titration Calorimeter (Nano ITC Standard Volume System); Make: Water Ges.m.b.H, Vienna, Austria

- Refrigerated Centrifuge ; Model: CPR-24 PLUS Complete with R-244M R-247M& R-248M-Angle Heads & VS-03
- Simultaneous High Temperature DTA-DSC-TGA System; Model: STA 8000; Make: Perkin Elmer, Singapore
- Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES); Model: Optima 8000; Make: Perkin Elmer, Singapore
- Real Time PCR; Model: CFX Connect; Make: BioRad, USA
- Shimadzu Prominence Preparative cum Analytical HPLC System with local Accessories ; Model: LC-20 AP; Make: Shimadzu, Japan
- DANI make Gas Chromatograph with Head Space Sampler; Model: MASTER GC; Make: DANI Instruments, Italy)

4.9 Department of Library & Information Science

- Atiz book drive-pro scanning machine
- Book-eye-4 scanning machine

5. Potential Possibilities for Industrial Consultancy and Technology Transfer

Areas of ;

5.1 Biosciences

- Bacterial Identification
- Bioassays, Antimicrobial activity, Bioremediation
- Technology for reducing post-harvest losses
- Protein engineering; Cloning & expression
- Transfer of protocols for micropropagation of banana, safed musli and setting up of plant tissue culture lab; Use of elicitors for disease control in crop species
- Chromatography analysis
- Plant Identification; Urban Plantations; Biodiversity assessment Medical Plants; Ethnics of Plants
- Fermentation Technology & Bioinformers development scale up
- Microbial Identification, Bioassay, Metabolite separation & characterization
- Aquaculture Nutrition
- Plant Tissue Culture

5.2 Chemical Sciences

- Formulation of dispersion, emulsion and nanotechnology
- Process or product development for electrochemical devices
- New materials – design, synthesis and devices based on luminescence applications
- Novel Surfactants
- Characterization, testing and analysis of chemical compounds as well as materials
- Modification of polymers
- Natural products and newer approach to the synthesis of organic compounds
- Hydro- and organo-gels for drug release application

5.3 Home Science

- Food analysis, Nutraceuticals
- Food Microbiology
- Textile analysis, Textile Finishing, Natural Dyes, Fashion Designing, Traditional Textile Crafts
- Functional foods/Nutraceuticals, Nutrition Counseling

- Food Product Development in Food Industry
- Quality Control Department of Food Industry, Nutrition and Health education for NGO's
- Food Quality Evaluation for Organically Produced Foods
- Food analysis, genetic screening of SNP's
- Gene Expression
- Biochemical assays

5.4 Physics

- Structural determination of samples (powder and single crystal) by X-ray diffraction techniques
- Synthesis of metal compounds by chemical / electrochemical routes and their characterization.
- Crystal Growth of layered materials by vapor phase technique
- Nanoparticle synthesis of metal, oxides, semiconductors by chemical method
- Electrical/optical characterization of grown crystals from room temperature to 600⁰C
- Thermo electric power measurements of crystal specimens of industrial applications
- Growth Characterization of single crystals of compound semiconductors and non-linear optical materials
- Thin films synthesis by chemical bath deposition, dip coating, spin coating and ultraviolet irradiation techniques
- Thin film coating using thermal, e⁻beam and DC-Magnetron sputtering
- Crystal growth of TMDC materials and formation & characterization of mono- , bi- and multi- layer systems and devices
- Dielectric measurements of industrial samples (Solid) (up to 1Mhz, and 700⁰C)
- Schottky barrier / hetro-junction device fabrication and characterization (10K-400K)
- Renewable Energy Based Equipments and Devices –Wind Mills, Solar Power Plant installation and maintenance
- Designing and maintenance of small scale furnaces
- Telecom Networking and IVRS
- Thermal characterization of materials

5.5 Materials Science

- Polymers : Synthesis, Characterization and Applications
- Fabrication of composites, Nanocomposites and characterization

- Polymer coatings
- Specialty polymers

5.6 Electronics

- Thin Films Synthesis by PLD and Flash Evaporation methods
- Electrical/ optical characterization of thin films
- 8/16 bit Microprocessor based system design
- Microcontroller based Industrial controlling system
- FPGA-CPLD based HW/SW applications solutions
- Low level device drivers for computer hardware (software)
- VLSI system Designs, Simulation and Verification
- Bio-Sensors for Food / Milk Adulteration
- Gas Sensors for Volatile Organic Compound (VOC) gases
- Band structure determination of Metal-Semiconductor/hetro-junction devices

5.7 Statistics

- Six sigma Training Programmes, Data Analysis.
- Industrial problems of design and analysis, Pharmaceutical/clinical
- Big data analysis
- Statistical modeling

5.8 Computer Science

- Image processing and multimedia techniques
- Computer science applications in healthcare and agriculture sectors

5.9 Interdisciplinary Studies in Science and Technology

- Drug delivery Technology
- Industrial research
- Product Development support
- Amelioration of fluoride using natural Products

5.10 Business Administration (MBA)

- Research on Economy / Market / Industry
- Management Development Programme for small & medium sized entrepreneurs
- Soft skill training for corporate
- Data Analysis through SPSS
- Training & Development
- Financial Accounting; Accounting Fraud:;
- Risk Management can be performed effectively

5.11 Business Studies (Commerce)

- Research Methodology
- Financial consultancy
- Portfolio management
- Market Survey / Research
- Management & Strategy Consultancy
- HR Consultancy

5.12 Economics

- Public Policy Issues

5.13 Hindi

- Media, Drama & Dramatics,
- Programme Arranger
- Translation (Gujarati to Hindi)
- Hindi Literature

5.14 Psychology

- Counseling
- Innovative Research Activities

6. Industries Academic institutes availing analytical services of the Departments:

6.1 Department of Chemistry

- CIPET, Ahmedabad
- Camphor and Allied Products Ltd., Vadodara
- Nikikem Industries. V.U. Nagar
- Om Irritech Ltd., Rajkot
- SVNIT, Surat
- Navin Fluorine Int. Ltd., Surat
- Cadila Healthcare Ltd., Ahmedabad
- Navin Fluorine Int. Ltd., Dewas (M.P.), India
- Chembond Chemicals Ltd., Dudhavad, Padra
- Maghmani Organic Ltd., Ahmedabad
- Om Irritech Ltd., Rajkot
- Arrowplast Ltd., Vadodara
- Dip Enterprise, Phase 2, GIDC, Karamsad, Gujarat
- KEMROCK Industries & Experts Ltd., At Waghodia, Vadodara
- GIRDA, Vadodara
- Anik Silver Shine, Soni Bazar, Rajkot
- ZCL Chemicals Ltd., G.I.D.C., Ankleshwar
- IDMC Ltd, GIDC Estate, Vithal Udyognagar
- Mini Sarvodyog Sira, Vithal Udyognagar
- Chemical Examiner Gr I, Central Excise & Customs Laboratory, Vadodara
- Asiatic Composite Ltd., Chandkheda, Ahmedabad
- Gujarat Narmada Valley, Fertilizers & Chemicals Limited, Narmadanagar-392015, Dist. Bharuch
- Camphor and Allied Products Ltd., GIDC, Nandesari
- Silikem Industries, G.I.D.C., Vitthal Udyognagar

6.2 Department of Physics

- Supernova Tech. Pvt. Ltd, GIDC, Vithal Udyognagar
- Deepak Nitrides, Baroda
- M. S. University, Baroda
- V.P and R.P.T.P science College, Chemistry Department, V.V. Nagar
- Smt. S. M. Panchal College, Talod
- Department of Physics, Jiwaji University, Gwalior

6.3 Department of Electronics

- TWIN Engineering ,Vadodara
- Microcontroller (8051) based system developed for textile machine (Khambhat based Local weaving unit)
- ADIT Engg. College, V.V. Nagar

6.4 Department of Materials Science

- Central University of Gujarat, Gandhinagar
- M.S. University, Baroda
- Govt. College, Chandkheda
- SVNIT, Surat
- L. D. College of Engineering, Ahmedabad
- DOIT, Nadiad
- BARC, Bombay
- IPR, Gandhinagar
- IGCAR, Kalpakkam
- IIT, Delhi
- Sun Pharma Advanced Research Centre, Vadodara
- SUD-Chemie, Nandesari, Vadodara
- IPR, Gandhinagar
- Suzlon Energy Ltd., Baroda
- Diamond Crucible, Mehsana
- OM Ceramics, Vallabh Vidyanagar
- GMM pfaunder Ltd, Anand
- CIPET, Ahmedabad
- Parikh Packaging, Ahmedabad
- Kemrock Industries, Vadodara

6.5 Department of Business Administration (MBA)

- Government of Gujarat: Analytical services of the Baseline Survey & End line Survey

7. Profiles of Faculty and their Expertise

(Update of the Profile of faculty members will be available at the University web site : www.spuvvn.edu)

7.1 Department of Biosciences

Name of the Faculty :	Dr. A.V.R.L. Narasimhacharya
Designation :	Professor & Head
Qualifications :	M.Sc. ; Ph.D. (Zoology)
Department :	B.R. Doshi School of Bioscience
Contact Details :	
Phone:	02692-234412
E-Mail:	narasimhacharya@spuvvn.edu
Specialization :	
Broad area:	Zoology
Specific field:	Animal Physiology
Major Projects:	
Completed Projects:	02
Ongoing Projects:	Nil

1

Name of the Faculty :	Dr. Datta Madamwar
Designation :	Professor
Qualifications :	M.Sc. ; Ph.D.
Department :	B.R. Doshi School of Bioscience
Contact Details :	
Phone :	02692-229380
Fax :	02692-231041
E-Mail :	datta_madamwar@yahoo.com
Specialization :	Microbiology
Broad area :	Microbial Biotechnology
Specific field :	Molecular Microbial Diversity Bioremediation, Cyanobacterial Biotechnology Non-aqueous Enzymology
Major Projects:	
Completed :	22
Ongoing :	04
Nature of consultancy to be/wish to be offered :	Bacterial Identification

2

3

Name of the Faculty	: Dr. Kiran Kalia
Designation	: Professor
Qualifications	: M.Sc.; Ph.D.
Department	: B.R. Doshi School of Bioscience
Contact Details	:
Phone	: (M) 9824335881
E-Mail	: kirankalia@gmail.com
Specialization	:
Broad area	: Medical Biotechnology
Specific field	: • Diabetes and its Microvascular complications • Genomic and proteomic Biomarkers
Major Projects:	
Completed	: 12
Ongoing	: 03

4

Name of the Faculty	: Dr. Kamlesh C. Patel
Designation	: Professor
Qualifications	: M.Sc.; Ph.D. (Microbiology)
Department	: B.R. Doshi School of Biosciences
Contact Details	:
Phone	: 02692-222297
E-Mail	: comless@yahoo.com, kc_patel@spuvvnedu.com
Specialization	:
Broad area	: Microbiology
Specific field	: Microbial enzymes, Bioremediation
Major Projects:	
Completed	: 04
Nature of consultancy to be/wish to be offered	: Bioassays, Antimicrobial activity, Biotemediation

Name of the Faculty :	Dr. T.V. Ramana Rao
Designation :	Professor
Qualifications :	M.Sc.; Ph.D.
Department :	B.R. Doshi School of Biosciences
Contact Details :	
Phone :	+91-2692-234412 Ext.111, (M) +91-9825438147
Fax :	+91-2692-231041/236475
E-Mail :	tadapanenirao@yahoo.com
Specialization :	
Broad area:	Histo - Physiology of Fruit Development and Ripening
Specific field:	Pre and Postharvest Biology and Technology of Fruits and vegetables
Major Projects:	
Completed :	04
Ongoing :	01
Nature of consultancy to be/wish to be offered :	Technology for reducing post harvest losses of Fruits and Vegetables

5

Name of the Faculty :	Dr. R.B. Subramanian
Designation :	Professor
Qualifications :	M.Sc.; Ph.D.
Department :	B.R. Doshi School of Bioscience
Contact Details :	
Phone :	(M) +91-9898538599
Fax :	+91-2692-231041/236475
E-Mail :	subramanianrb@gmail.com
Specialization :	
Broad area:	Biotechnology
Specific field:	r-DNA Technology
Major Projects:	
Completed:	08
Ongoing :	03
Nature of consultancy to be/wish to be offered :	Protein engineering; Cloning & expression

6

7	Name of the Faculty :	Dr. J.S.S. Mohan
	Designation :	Professor
	Qualifications :	M.Sc.; Ph.D.
	Department :	B.R. Doshi School of Bioscience
	Contact Details :	
	Phone :	02692 234412#110, (M) +91-9427062289
	E-Mail :	jssmohan@gmail.com, jssmohan@hotmail.com
Specialization :	Plant Biotechnology	
Broad area:	Plant tissue culture	
Specific field:	In vitro Plant morphogenesis; Plant- pathogen interaction; plant reproductive biology	
Major Projects:		
Completed :	19	
Ongoing :	02	
Nature of consultancy to be/wish to be offered :	Transfer of protocols for micropropagation of banana, safed musli and setting up of plant tissue culture lab; Use of elicitors for disease control in crop species	

8	Name of the Faculty :	Dr. V. R. Thakkar
	Designation :	Professor
	Qualifications :	M.Sc.; Ph.D.
	Department :	B.R. Doshi School of Bioscience
	Contact Details :	
	Phone :	(M) +91-9408034512
	E-Mail :	vr_thakkar@spuvvn.edu
Specialization :		
Broad area:	Biochemistry	
Specific field:	Plant Secondary metabolites and their applications	
Major Projects:		
Completed :	05	
Ongoing :	Nil	
Nature of consultancy to be/wish to be offered :	Chromatography analysis	

Name of the Faculty :	Dr. A. S. Reddy
Designation :	Associate Professor
Qualifications :	M.Sc.; Ph.D.
Department :	B.R. Doshi School of Bioscience
Contact Details :	
Phone :	02692-234412 Extn. 115
E-Mail :	asreddy_spu@yahoo.com
Specialization :	
Broad area:	Botany
Specific field:	Plant Taxonomy, Ethnobotnay, Biodiversity, Phytoresources
Major Projects:	-
Completed:	04
Ongoing :	Nil
Nature of consultancy to be/wish to be offered :	Plant Identification; Urban Plantations; Biodiversity assessment Medical Plants; Ethnobotany of Plants

9

Name of the Faculty :	Dr. Ujjval Trivedi
Designation :	Associate Professor
Qualifications :	Ph.D. Microbiology
Department :	B.R. Doshi School of Bioscience
Contact Details :	
Phone :	9428489159
E-Mail :	ub_trivedi@spuvvn.edu
Specialization :	
Broad area:	Fermentation Technology
Specific field:	Enzymes Technology
Major Projects:	
Completed:	06
Ongoing :	Nil
Nature of consultancy to be/wish to be offered :	Fermentation Technology & Bioinformers development scale up

10

11

Name of the Faculty	: Dr. Amita Shah
Designation	: Associate Professor
Qualifications	: M. Sc.; Ph.D
Department	: B.R. Doshi School of Bioscience
Contact Details	:
	Phone : +91 9824162449
	E-Mail : arshah02@yahoo.com
Specialization	: Microbial enzyme and Fermentation technology
	Broad area: Enzyme technology
	Specific field: Production and applications of zylanazer cellulazes and inulinases
Major Projects:	
	Completed: 02
	Ongoing : 01
Nature of consultancy to be/wish to be offered	: NIL

12

Name of the Faculty	: Dr. Haresh Kumar Keharia
Designation	: Associate Professor
Qualifications	: M. Sc.; Ph.D. (Microbiology)
Department	: B.R. Doshi School of Bioscience
Contact Details	:
	Phone : 9924136347
	E-Mail : Haresh970@gmail.com
Specialization	:
	Broad area: Microbiology
	Specific field: Microbial Identification, Plant Microbial Interactions Bioremediation
Major Projects:	
	Completed : 02
	Ongoing : 01
Nature of consultancy to be/wish to be offered	: Microbial Identification, Prioassay, Metabolite separation & characterization

Name of the Faculty :	Dr. Sujata Bhatt
Designation :	Associate Professor
Qualifications :	M. Sc.; Ph.D
Department :	B.R. Doshi School of Bioscience
Contact Details :	
Phone :	(M) +91 9978341710
E-Mail :	bhatt.sujata@gmail.com
Specialization :	
Broad area:	Zoology
Specific field:	-

13

Name of the Faculty :	Dr. M. Natraj
Designation :	Associate Professor
Qualifications :	M. Sc.; Ph.D
Department :	B.R. Doshi School of Bioscience
Contact Details :	
Phone :	9427403803
E-Mail :	nattusamy@yahoo.com
Specialization :	
Broad area:	Botany
Specific field:	Plant Tissueculture, Abiotic Stress in plants
Major Projects:	
Completed:	01
Ongoing :	NIL
Nature of consultancy to be/wish to be offered :	Plant Tissue Culture

14

7.2 Department of Chemistry

1

Name of the Faculty	: Dr. D. I. Brahmbhatt
Designation	: Head & Professor of Organic Chemistry
Qualifications	: M.Sc.; Ph.D.
Department	: Chemistry
Contact Details	:
Phone	: (O) 02692-226855 (R) 02692-234106 (M) 9427547665
E-Mail	: drdibrambhatt@gmail.com
Specialization	: Organic Synthesis
Broad area:	Organic Chemistry
Specific field:	Synthesis of Oxygen containing heterocycles especially coumarins and isocoumarins

2

Name of the Faculty	: Dr. N. V. Sastry
Designation	: Professor
Qualifications	: M.Sc.; Ph.D.
Department	: Chemistry
Contact Details	:
Phone	: (O) 02692-226856 ext. 223 (R) 02692-236689 (M) 9824956978
Fax	: 02692-226854
E-Mail	: nvsastory@spuvvn.edu
Specialization	:
Broad area:	Physical Chemistry
Specific field:	Colloid and Surfactant Chemistry
Major Projects:	
Completed	: 09
Ongoing	: 02
Nature of consultancy to be/wish to be offered	: In the formulation of dispersion, emulsion and nanotechnology, Novel surfactants gels for drug release systems

Name of the Faculty :	Dr. D. K. Raval
Designation :	Professor
Qualifications :	M.Sc., M. Phil., Ph.D.
Department :	Chemistry
Contact Details :	
Phone :	(O) 2692-226856 ext. 211, (M) 9427004697
E-Mail :	dk_raval@spuvvn.edu
Specialization :	
Broad area:	Organic Chemistry
Specific field:	Organic synthesis, Catalysis, Biopolymers
Major Projects:	
Completed :	01

3

Name of the Faculty :	Dr. M. N. Patel
Designation :	Professor
Qualifications :	M.Sc., M. Phil., Ph.D.
Department :	Chemistry
Contact Details :	
Phone :	(O) 2692-226856
E-Mail :	jeenen@gmail.com
Specialization :	Inorganic Chemistry
Broad area:	Inorganic Chemistry
Specific field:	Coordination Chemistry, Bio-organic Chemistry
Major Projects:	
Completed :	02

4

5

Name of the Faculty	: Dr. M. P. Patel
Designation	: Professor
Qualifications	: M. Sc., Ph. D.
Department	: Chemistry
Contact Details	:
	Phone : 02692-226856 ext. 222
	E-Mail : patelmanish1069@yahoo.com mp_patel@spuvvn.edu
Specialization	:
	Broad area: Organic / Polymer Chemistry
	Specific field: Organic Chemistry (Heterocycles, dyes, drugs) Polymer Chemistry (Nano materials, Smart polymers, Hydrogels, Polymeric dyes)
Major Projects:	
	Completed : 06
Nature of consultancy to be/wish to be offered	: Analytical services

6

Name of the Faculty	: Dr. N. J. Parmar
Designation	: Professor
Qualifications	: M. Sc., Ph. D.
Department	: Chemistry
Contact Details	:
	Phone : (O) 02692-226856 ext. 221 (R) 02692-235739 (M) 982585401
	E-Mail : njpchemdeptspu@yahoo.co.in
Specialization	:
	Broad area: Organic Chemistry
	Specific field: Domino Chemistry
Major Projects:	
	Completed: 01

Name of the Faculty	: Dr. K. H. Patel
Designation	: Assistant Professor
Qualifications	: M. Sc., Ph. D.
Department	: Chemistry
Contact Details	:
Phone	: (O) 02692-226856 ext. 217 (M) 9825671381
E-Mail	: khp293@yahoo.co.in
Specialization	:
Broad area:	Physical Chemistry
Specific field:	Ionic liquids and coordination polymer chemistry

7

Name of the Faculty	: Dr. J. H. Trivedi
Designation	: Assistant Professor
Qualifications	: M. Sc., Ph. D.
Department	: Chemistry
Contact Details	:
Phone	: (O) 02692-226856 ext. 214
E-Mail	: drjignesh2575@yahoo.co.in
Specialization	:
Broad area:	Polymer Chemistry
Specific field:	Modification of polymers by grafting
Major Projects:	
Completed:	03

8

9	Name of the Faculty :	Dr. S. S. Soni
	Designation :	Assistant Professor
	Qualifications :	M. Sc., Ph. D.
	Department :	Chemistry
	Contact Details :	
	Phone :	(O) 02692-226856 ext. 216
	E-Mail :	soni_b21@yahoo.co.in
	Specialization :	
Broad area:	Physical Chemistry	
Specific field:	Ionic liquid, Dye sensitized solar cell	
Major Projects:		
Completed:	01	
Ongoing:	04	
Nature of consultancy to be/wish to be offered :	Process or product development	

10	Name of the Faculty :	Dr. K. R. Surati
	Designation :	Assistant Professor
	Qualifications :	M. Sc., M. Phil., Ph. D.
	Department :	Chemistry
	Contact Details :	
	Phone :	(O) 02692-226856 ext. 224
	E-Mail :	kiransurati@yahoo.co.in
	Specialization :	
Broad area:	Chemistry	
Specific field:	Analytical Chemistry/Material Chemistry	
Major Projects:		
Completed:	03	
Ongoing:	02	
Nature of consultancy to be/wish to be offered :	Synthesis newer materials with desire properties fabrication of advance devices etc.	

Name of the Faculty	: Dr. N.P. Chikhaliya
Designation	: Assistant Professor
Qualifications	: M. Sc., Ph. D.
Department	: Chemistry
Contact Details	:
Phone	: (O) 02692-226856 ext. 213 (M) 9426263099
E-Mail	: navin13@rediffmail.com
Specialization	:
Broad area	: Polymer Chemistry
Specific field	: Viscosity index improvers, solution properties
Nature of consultancy to be/wish to be offered	: Analytical services for testing polymers

11

7.3 Department of Home Science

1

Name of the Faculty :	Dr. Vinayak H. Patel
Designation :	Professor & Head
Qualifications :	Ph. D
Department :	Home Science
Contact Details :	
Phone :	02692-226877 (M) 9898840578
E-Mail :	patelvh2004@yahoo.co.in
Specialization :	Foods and Nutrition and Food Biotechnology
Broad area:	Home Science
Specific field:	Foods analysis, Nutraceuticals, Nutrigenomics
Major Projects:	
Completed:	03
Ongoing :	Nil
Nature of consultancy to be/wish to be offered :	Food analysis, Nutraceuticals

2

Name of the Faculty :	Dr. Rema Subhash
Designation :	Professor
Qualifications :	Ph.D.
Department :	Home Science
Contact Details :	
Phone :	02692-226878 (M) 9427856197
E-Mail :	remahomesc@yahoo.co.in
Specialization :	
Broad area:	Home Science
Specific field:	Foods and Nutrition and Food Biotechnology
Major Projects:	
Completed:	01
Ongoing:	01
Nature of consultancy to be/wish to be offered :	On areas related to Food Microbiology

Name of the Faculty :	Dr. Namrita Kola
Designation :	Associate Professor
Qualifications :	Ph.D.
Department :	Home Science
Contact Details :	
Phone :	02692-226878; 9925034513
E-Mail :	knamrita@yahoo.com
Specialization :	
Broad area:	Home Science
Specific field:	Textiles and Clothing
Major Projects:	
Completed:	01
Ongoing :	NIL
Nature of consultancy to be/wish to be offered :	Textile analysis, Textile Finishing, Natural Dyes, Fashion Designing, Traditional Textile Crafts

3

Name of the Faculty :	Dr. Neeta R. Dave
Designation :	Associate Professor
Qualifications :	Ph.D.
Department :	Home Science
Contact Details :	
Phone :	02692-226878; 9879740607
E-Mail :	neeta_dave2004@yahoo.com
Specialization :	
Broad area:	Home Science
Specific field:	Foods and Nutrition
Nature of consultancy to be/wish to be offered :	Functional foods/Nutraceuticals, Nutrition Counseling

4

5

Name of the Faculty :	Ms. Viraj Rogheliya
Designation :	Assistant Professor
Qualifications :	M.Sc., B.Ed
Department :	Home Science
Contact Details :	
Phone :	02692-226878; 9925008976
E-Mail :	virajshalin@gmail.com
Specialization :	
Broad area:	Home Science
Specific field:	Foods and Nutrition
Nature of consultancy to be/wish to be offered :	Food Product Development in Food Industry, Quality Control Department of Food Industry, Nutrition and Health education for NGO's, Food Quality Evaluation fo Organically Produced Foods

6

Name of the Faculty :	Dr. Jisha Elias
Designation :	Assistant Professor
Qualifications :	Ph.D. in Biochemistry
Department :	Home Science
Contact Details :	
Phone :	02692-226878; 8128317149
E-Mail :	jjishaelias@yahoo.co.in
Specialization :	Biochemistry and Food Biotechnology
Broad area:	Biochemistry, Microbial Metabolism, Obesity, Probiotics, Antioxidants
Specific field:	Nutrigenomics
Nature of consultancy to be/wish to be offered :	Food analysis, genetic screening of SNP's, Gene Expression, Biochemical assays

7.4 Department of Physics :

Name of the Faculty :	Prof. U. H. Patel
Designation :	Professor
Qualifications :	M.Sc. Ph.D.
Department :	Physics
Contact Details :	
Phone :	02692-226843 (M) 98983 99054
E-Mail :	u_h_patel@yahoo.com
Specialization :	
Broad area:	Condensed Matter Physics
Specific field:	X-Ray Crystallography
Major Projects:	
Completed:	02
Nature of consultancy to be/wish to be offered :	Schrodinger molecular docking studies Quantum mechanical calculations of molecular structure through Gaussian package with Gauss view Characterization of powder (solid) or semisolid or pure single crystal from the pharmaceutical/polymeric/ceramic Industrial specimen for their internal structure by X-ray diffraction technique. Ligand –receptor specific interaction studies. Synthesis of metal compounds by chemical / electrochemical routes and their characterization

1

Name of the Faculty :	Prof. P. C. Vinodkumar
Designation :	Professor
Qualifications :	M.Sc., Ph.D.
Department :	Physics
Contact Details :	
Phone :	(M) 99093 15440
E-Mail :	p.c.vinodkumar@gmail.com
Specialization :	
Broad area:	Theoretical Physics
Specific field:	Hadron Physics
Major Projects:	
Completed:	05
Nature of consultancy to be/wish to be offered :	Theoretical modeling of problems related to solar cooker cum Drier, Modeling of powder metallurgy based on plasma sputtering, Comparative performance evaluation of wind mill and solar panel data, Algorithm to derive scaling laws based on Buckingham Pi theorem.

2

3	Name of the Faculty :	Prof. V. M. Pathak
	Designation :	Professor
	Qualifications :	M.Sc. Ph.D.
	Department :	Physics
	Contact Details :	
	Phone :	(M) 98241 19934
	E-Mail :	yogvmpathak@yahoo.co.in
	Specialization :	Electronics & Communication
	Broad area:	Condensed Matter Physics (Experiment)
Specific field:	Thin Film, Crystal Growth	
Major Projects:		
Completed:	01	
Nature of consultancy to be/wish to be offered :	Thin film coating using thermal, e—beam and DC-Magnetron sputtering Temperature dependent device characterization (AC/DC)(10K-400K) Crystal growth of TMDC materials and formation & characterization of mono- bi- and multi- layer systems and devices Dielectric measurements of industrial samples (Solid) 9up to 1Mhz, and 7000C. Schottky barrier / hetro-junction device fabrication and characterization	

4	Name of the Faculty :	Prof. M. P. Deshpande
	Designation :	Professor
	Qualifications :	M.Sc. Ph.D.
	Department :	Physics
	Contact Details :	
	Phone :	(M) 94275 97979
	E-Mail :	viswadeshpande@yahoo.co.in
	Specialization :	
	Broad area:	Condensed Matter Physics (Expt.)
Specific field:	Crystal growth, nanoparticle synthesis & Characterization	
Major Projects:		
Completed:	02 01	
Nature of consultancy to be/wish to be offered :	Crystal Growth of layered materials by vapor phase technique. Nanoparticle synthesis of metal, oxides, semiconductors by chemical method	

Name of the Faculty	: Prof. B. Y. Thakore
Designation	: Professor
Qualifications	: M.Sc., Ph.D.
Department	: Physics
Contact Details	:
Phone	: (M) 94273 89099
E-Mail	: brijmohanthakore@rediffmail.com
Specialization	: Condensed Matter Theory / Computational Materials Science
Major Projects:	
Completed:	01

5

Name of the Faculty	: Prof. K. D. Patel
Designation	: Professor
Qualifications	: M.Sc., Ph.D
Department	: Physics
Contact Details	:
Phone	: (M) 94284 91216
E-Mail	: kdptflspu@yahoo.com
Specialization	: Solid State Electronics
Broad area:	Thin Film
Specific field:	Device Physics
Major Projects:	
Completed:	01
Nature of consultancy to be/wish to be offered	: Thin film coating using thermal, e—beam and DC-Magnetron sputtering Temperature dependent device characterization (AC/DC)(10K-400K) Crystal growth of TMDC materials and formation & characterization of mono- ,bi- and multi- layer systems and devices Dielectric measurements of industrial samples (Solid) 9up to 1Mhz, and 7000C. Schottky barrier / hetro-junction device fabrication and characterization

6

7

Name of the Faculty :	Prof. G. K. Solanki
Designation :	Professor
Qualifications :	M.Sc., Ph.D
Department :	Physics
Contact Details :	
Phone :	(M) 94278 93244
E-Mail :	solankigunvant@yahoo.co.in
Specialization :	Solid State Physics
Broad area:	Condensed Matter Physics
Major Projects:	
Completed:	01
Nature of consultancy to be/wish to be offered :	Electrical/optical characterization of grown crystals from room temperature to 6000C. Thermo electric power measurements of crystal specimens of industrial applications Crystal growth by vapor Transport techniques

8

Name of the Faculty :	Dr. Sunil H Chaki
Designation :	Professor
Qualifications :	M.Sc., Ph.D
Department :	Physics
Contact Details :	
Phone :	(M) 09426468647
Specialization :	
Broad area:	Condensed Matter Physics (Experiment)
Specific field:	Single crystal growth, thin films synthesis, nanomaterials synthesis and their characterizations.
Major Projects:	
Completed:	04
Nature of consultancy to be/wish to be offered :	Provide single crystals of compound semiconductors and non-linear optical materials. Grow single crystals of different materials by chemical vapor transport techniques, gel growth technique and slow evaporation technique. Thin films synthesis by chemical bath deposition, dip coating, spin coating and ultraviolet irradiation techniques. Thermal analysis of solid materials by thermogravimetric (TG), differential thermogravimetric (DTG) and differential thermal analysis (DTA) techniques.

Name of the Faculty	: Dr. N. K. Bhatt
Designation	: Assistant Professor
Qualifications	: M.Sc., Ph.D
Department	: Physics
Contact Details	:
	Phone : (M) 98240 57516
	E-Mail : bhattnisarg@hotmail.com
Specialization	:
	Broad area: Condensed Matter Physics
	Specific field: -
Nature of consultancy to be/wish to be offered	: Theoretical Modeling related to Thermal Characterization/ properties of Metals and alloys

9

Name of the Faculty	: Dr. J. R. Gandhi
Designation	: Technician (Physics)
Qualifications	: M.Sc., Ph.D.
Department	: Physics
Contact Details	:
	Phone : (M) 98980 03657
	E-Mail : jr_gandhi@yahoo.com
Specialization	: Condensed Matter Physics
	Broad area: Crystal Growth Characterization

10

Name of the Faculty	: Mr. R. J. Rajpara
Designation	: Technical Assistant (Electronics)
Qualifications	: B.Tech (EC)
Department	: Physics
Contact Details	:
	Phone : (M) 94263 32786
	E-Mail : rajurajpara@rediffmail.com
Specialization	: Electronics & Communication
	Specific field: Fibrtics & IVRS Telcom System Installation

11

7.5 Department of Mathematics

1	Name of the Faculty :	Prof. A B Patel
	Designation :	Professor and Head
	Qualifications :	M. A.; Ph. D.
	Department :	Mathematics
	Contact Details :	
	Phone :	(M) 9898838940
E-Mail :	abp1908@gmail.com	
Specialization :		
Broad area:	Analysis Functional Analysis, Operator Theory	

2	Name of the Faculty :	Prof. A H Hasmani
	Designation :	Professor
	Qualifications :	M. Sc.; Ph. D.
	Department :	Mathematics
	Contact Details :	
	Phone :	(M) 9879260235
E-Mail :	ah_hasmani@spuvvn.edu	
Specialization :		
Broad area:	Applied Mathematics Theory of Relativity, applications of Differential equations	
Nature of consultancy to be/wish to be offered :	Modeling with Differential Equations	

3	Name of the Faculty :	Dr. G M Deheri
	Designation :	Associate Professor
	Qualifications :	M. Sc.; Ph. D.
	Department :	Mathematics
	Contact Details :	
	Phone :	(M) 09904230466
E-Mail :	gm.deheri@rediffmail.com	
Specialization :		
Broad area:	Tribology and Functional Analysis	
Specific field:	Magnetohydrodynamics-basic Theory	
Nature of consultancy to be/wish to be offered :	Lubrication and Friction related problems, Magnetization effect on Bearing Systems	

Name of the Faculty :	Dr. D J Karia
Designation :	Associate Professor
Qualifications :	M. Sc. ; M.Phil.; Ph. D.
Department :	Mathematics
Contact Details :	
Phone :	(02692) 650388, (M) 9227160572
E-Mail :	dineshjk@spuvvn.edu
Specialization :	
Broad area:	Topological Algebras
Specific field:	Pro -C* Algebra
Nature of consultancy to be/wish to be offered :	Anything using programming in C++ /Mathematical Mat Lab

4

Name of the Faculty :	Dr. H S Mehta
Designation :	Associate Professor
Qualifications :	M. Sc. ; Ph. D.
Department :	Mathematics
Contact Details :	
Phone :	02692234686, (M)09879709068
E-Mail :	himalimehta63@gmail.com
Specialization :	
Broad area:	Functional Analysis

5

Name of the Faculty :	Dr. P A Dabhi
Designation :	Assistant Professor
Qualifications :	Qualifications: M. Sc.; Ph. D.
Department :	Mathematics
Contact Details :	
Phone :	(M) 9558808167
E-Mail :	lightatinfinite@gmail.com
Specialization :	
Broad area:	Functional Analysis
Specific field:	Banach Algebras, Harmonic Analysis, Operator Theory

6

7

Name of the Faculty	: Dr. S J Ghevariya
Designation	: Assistant Professor
Qualifications	: M. Sc.; M. Phil.; Ph. D.
Department	: Mathematics
Contact Details	:
	Phone : (M) 09913728949
	E-Mail : sjghevaria@gmail.com
Specialization	:
	Broad area: Financial Mathematics
	Specific field: Financial Mathematics
Nature of consultancy to be/wish to be offered	: Financial Management

8

Name of the Faculty	: Mr. J M Patel
Designation	: Assistant Professor
Qualifications	: M. Sc.
Department	: Mathematics
Contact Details	:
	Phone : (O) 02692-233995, (M) 9558813995
	E-Mail : jaymin313@gmail.com
Specialization	:
	Broad area: Functional Analysis, Bio Mathematics
	Specific field: Operator Theory

7.6 Department of Electronics

Name of the Faculty :	Dr. (Miss) Basumati H.Patel
Designation :	Professor and Head
Qualifications :	M.Sc., Ph.D
Department :	Electronics
Contact Details :	
Phone :	(02692) 226861, (M) 9824413820
E-Mail :	bhpatel20@gmail.com
Specialization :	
Broad area:	Solid State Electronics
Specific field:	Thin Film Electronics Devices
Major Projects :	
Completed:	01
Ongoing:	01

1

Name of the Faculty :	Dr. (Ms) Vibha S. Vaishnav
Designation :	Associate Professor
Qualifications :	M.Sc , Ph.D
Department :	Electronics
Contact Details :	
Phone :	(02692) 226861, (M) 9427547671
Specialization :	
Broad area:	Electronics
Specific field:	Gas Sensor
Major Projects :	
Completed:	01
Ongoing:	01

2

3

Name of the Faculty :	Dr. Sahera S. Patel
Designation :	Assistant Professor
Qualifications :	M. Sc., Ph. D.
Department :	Electronics
Contact Details :	
Phone :	(M) 9924938076
Email :	swamibhavin@gmail.com
Specialization :	
Broad area :	Electronics
Specific field :	Gas Sensor
Major Projects :	
Completed :	01
Ongoing :	01
Nature of consultancy to be /wish to be offered :	Design and development of microcontroller based electronics, gas sensors

7.7 Department of Materials Sciences

Name of the Faculty :	Dr. (Miss) R. H. Patel
Designation :	Associate Professor
Qualifications :	M.Sc., Ph. D
Department :	Materials Science
Contact Details :	
Phone :	(02692) 226853 (M) 9898810742
E-Mail :	hdmsspu@gmail.com rasmi29@yahoo.com
Specialization :	Polymers
Broad area:	Synthetic Polymers: Synthesis, Characterization and applications
Specific field:	Flame retardant Polymers: Synthesis, Characterization and applications
Major Projects :	
Completed:	04
Nature of consultancy to be/wish to be offered :	Synthesis of Polymers Fabrication of composites, Nanocomposites Polymer coatings

1

Name of the Faculty :	Dr. N. M. Batra
Designation :	Associate Professor
Qualifications :	M.Sc., Ph. D (Physics)
Department :	Materials Science
Contact Details :	
Phone :	(M) 9825647672 (O) 02692 226854
E-Mail :	batranaresh2003@yahoo.co.in
Specialization :	
Broad area:	<ul style="list-style-type: none"> • Crystal Growth and Characterization • Thin Films (PECVD)

2

7.8 Department of Statistics

1	Name of the Faculty :	Dr. Praful A. Patel
	Designation :	Professor
	Qualifications :	M. Sc., M. Phil, Ph. D.
	Department :	Statistics
	Contact Details :	
	Phone :	(M) 9904494028, 02692 – 226871
E-Mail :	patelpraful_a@yahoo.co.in	
	Specialization :	
	Broad area:	Statistics
	Specific field:	Statistical Inference, Sampling Theory, Multivariate Analysis Survey Sampling Inference

2	Name of the Faculty :	Dr. A. Shanubhogue
	Designation :	Professor and Coordinator(MQPM)
	Qualifications :	M. Sc., M. Phil, Ph. D.
	Department :	Statistics
	Contact Details :	
	Phone :	(O) 02692-23530 (R) 02692-235433 (M) 9879535433
E-Mail :	a_shanubhogue@yahoo.com	
	Specialization :	
	Broad area:	Statistics
	Specific field:	Statistical Inference, Reliability and Life Testing, Statistical Quality Control, Bio and Financial Statistics, Quality and Productivity Management
	Nature of consultancy to be/wish to be offered :	Sixsigma Training Programmes, Data Analysis

Name of the Faculty :	Dr. Jyoti Divecha
Designation :	Associate Professor
Qualifications :	M. Sc., Ph. D.
Department :	Statistics
Contact Details :	
Phone :	(O) 02692 – 226871 (M) 9879691337
Specialization :	
Broad area:	Design and analysis of Experiments, Statistical Process Control
Nature of consultancy to be/wish to be offered :	Industrial problems of design and analysis, Pharmaceutical/Clinical

3

Name of the Faculty :	Dr. M. B. Bhatt
Designation :	Assistant Professor (Stage-3)
Qualifications :	M. Sc., Ph. D.
Department :	Statistics
Contact Details :	
Phone :	(M) 09638971729
E-Mail :	bhattmilind@yahoo.com
Specialization :	
Broad area:	Statistical Inference
Specific field:	Non-regular parameter family of distributions
Major Projects :	
Completed:	01
Ongoing:	01

4

5

Name of the Faculty :	Dr. D. P. Raykundaliya
Designation :	Assistant Professor
Qualifications :	M. Sc., Ph. D.
Department :	Statistics
Contact Details :	
Phone :	02692-226881, (M) 09428435134
E-Mail :	dp_raykundaliya@spu.vvn.edu
Specialization :	
Broad area:	Reliability
Specific field:	Reliability-oriented-design
Major Projects :	
Ongoing:	02
Nature of consultancy to be/wish to be offered :	Big data analysis Statistical modeling

7.9 Department of Computer Science

Name of the Faculty :	Dr. P. V. Virparia
Designation :	Professor & Head
Qualifications :	M C A; Ph. D. (Computer Science)
Department :	Computer Science
Contact Details :	
Phone :	(02692) 236829, 9426533146 (Mobile)
Fax :	(02692) 236829
E-Mail :	pvvirparia@yahoo.com
Specialization :	
Broad area:	Computer Science
Specific field:	Computer Networks, Simulation and Modeling, IT enable Services.
Nature of consultancy to be/wish to be offered :	Any kind of consultancy in the field of Computer Science.

1

Name of the Faculty :	Dr. D. B. Choksi
Designation :	Professor
Qualifications :	M C A; Ph D (Computer Science)
Department :	Computer Science
Contact Details :	
Phone :	(02692) 236829, 9879691386 (Mobile)
Fax :	(02692) 236829
E-Mail :	dbchoksi @yahoo.com
Specialization :	
Broad area:	Computer Science
Specific field:	Computer Networks, Distributed Systems, Operating Systems.
Major Projects:	
Completed:	Design and Implementation of a New Programming Language by UGC, worth Rs. 2,34,000 /- (From 2002 to 2005)
Nature of consultancy to be/wish to be offered :	Any kind of consultancy in the field of Computer Science

2

3

Name of the Faculty :	Dr. D. B. Shah
Designation :	Professor
Qualifications :	MCA, Ph.D (Computer Science),
Department :	Computer Science
Contact Details :	
Phone :	(M) 94286 47899 (O) 02692-230389 * 212
Fax :	(02692) 236829
E-Mail :	dbshah66@yahoo.com
Specialization :	
Broad area:	Computer Science
Specific field:	Computer Graphics, Image Processing, Multimedia, Database Management Systems, Visual Programming
Nature of consultancy to be/wish to be offered :	Any kind of consultancy in the field of Computer Science.

4

Name of the Faculty :	Dr. Hardik Bhalchandra Pandit
Designation :	Lecturer (Temp)
Qualifications :	M.C.A. , Ph.D
Department :	Computer Science
Contact Details :	
Phone :	(02692) 230389, 09426561926
E-Mail :	hardik00@gmail.com
Specialization :	
Broad area:	Computer Science
Specific field:	Digital Image Processing, Operating Systems, Software Engineering, Object Oriented Technology, Web Applications
Nature of consultancy to be/wish to be offered :	Any kind of consultancy in the field of Computer Science.

Name of the Faculty :	Dr. P S Sajja
Designation :	Professor
Qualifications :	M Sc., Ph D.
Department :	Computer Science
Contact Details :	
Phone :	02692) 230389, 9824926020 (M)
Fax :	(02692) 236829
E-Mail :	pritti@pritisajja.info.com
Specialization :	
Broad area:	Computer Science
Specific field:	Artificial Intelligence, Systems Analysis and Design, Software Engineering, Object Oriented Technology, Web Applications
Major Projects:	
Completed:	01
Nature of consultancy to be/wish to be offered :	Any kind of consultancy in the field of Computer Science.

5

Name of the Faculty :	Mr. Bharatbhai B. Patel
Designation :	Associate Professor
Qualifications :	M Sc (Computer Science)
Department :	Computer Science
Contact Details :	
Phone :	(M) 9825809282
Fax :	(02692) 236829
E-Mail :	bb_patel@spuvvn.edu
Specialization :	
Broad area:	Computer Science
Specific field:	Software engineering, Visual Programming, Web Services, Web Technology (ASP.NET), PERL, Information systems
Nature of consultancy to be/wish to be offered :	Any kind of consultancy in the field of Computer Science.

6

7

Name of the Faculty :	Mr. J. V. Smart
Designation :	Assistant Professor
Qualifications :	MCA
Department :	Computer Science
Contact Details :	
Phone :	(M) 992550404, (02692) 230389
Fax :	(02692) 236829
Specialization :	
Broad area:	Computer Science
Specific field:	Compiler Design, System Software, Operating System
Major Projects:	
Completed:	01
Nature of consultancy to be/wish to be offered :	Any kind of consultancy in the field of Computer Science.

8

Name of the Faculty :	Dr. Birajkumar V. Patel
Designation :	Lecturer
Qualifications :	B. Sc., MCA, Ph D.
Department :	Computer Science
Contact Details :	
Phone :	(M) 9898646210, (02692) 230389
Fax :	(02692) 236829
E-Mail :	birajpatel_4@yahoo.co.in
Specialization :	
Broad area:	Computer Science
Specific field:	Search Engine Optimization, Systems Analysis and Design, Compiler Design, Artificial Intelligence, Web Development using PHP-MySQL, Analysis of Computer Algorithms, Business Information System
Major Projects:	
Completed:	01
Nature of consultancy to be/wish to be offered :	Any kind of consultancy in the field of Computer Science.

Name of the Faculty :	Ms. Jigisha K. Patel
Designation :	Lecturer
Qualifications :	M C A; Ph D (Computer Science) (Pursuing)
Department :	Department of Computer Science
Contact Details :	Phone : (02692) 236829, 9712947191 (Mobile) Fax : (02692) 236829 E-Mail : Jigishapatel28@gmail.com
Specialization :	Broad area: Computer Science Specific field: Analysis of Algorithms, Object Oriented Programming using Java, Data Structures, Linux Operating Systems
Nature of consultancy to be/wish to be offered :	Any kind of consultancy in the field of Computer Science.

9

Name of the Faculty :	Mr. Brijeshkumar B. Patel
Designation :	Lecturer
Qualifications :	M.Sc. (IS)
Department :	Computer Science
Contact Details :	Phone : 9998595545 E-Mail : brijesh.261985@gmail.com
Specialization :	Broad area: Computer Science Specific field: Database, Web Technology, Object Oriented Programming

10

11

Name of the Faculty :	Dr. Jeegar A. Trivedi
Designation :	Lecturer
Qualifications :	M C A; Ph D (Computer Science)
Department :	Computer Science
Contact Details :	
Phone :	(02692) 230389 Ext. 213, (M) 9898259749
Fax :	(02692) 236829
E-Mail :	jeegar.trivedi@yahoo.com
Specialization :	
Broad area:	Computer Science
Specific field:	Artificial Intelligence, Visual Programming, Computer Networks, System Analysis & Design.

12

Name of the Faculty :	Ms. Raina D. Gaharwar
Designation :	Lecturer
Qualifications :	M C A; Ph D (Computer Science) (Pursuing)
Department :	Computer Science
Contact Details :	
Phone :	(02692) 236829, (M) 8866363708
Fax :	(02692) 236829
E-Mail :	raina_gaharwar@yahoo.co.in
Specialization :	
Broad area:	Computer Science
Specific field:	Operating Systems, Object Oriented Programming, System Software

7.10 Department of Business Administration (MBA)

Name of the Faculty :	Dr. Rajnikant P. Patel
Designation :	Professor and Head
Qualifications :	Ph.D.
Department :	Business Management
Contact Details :	Phone : (M) 9825048463 Fax : 02692-248444 E-Mail : rajnikant_patel@spuvvn.edu, rajnivvn@yahoo.com
Specialization :	Broad area: Marketing Management Specific field: Consumer Behavior
Major Projects:	
Completed:	01
Nature of consultancy to be/wish to be offered :	Research

1

Name of the Faculty :	Dr. Yogesh C. Joshi
Designation :	Professor
Qualifications :	Ph.D.
Department :	Business Management
Contact Details :	Phone : 9429031318 Fax : 02692 0248444 E-Mail : joshiyogesh 2000@yahoo.com
Specialization :	Broad area: Business Economics, International Business, Specific field: Development Economics, Human Development, Public Policy
Major Projects:	
Completed:	03
Ongoing:	01
Nature of consultancy to be/wish to be offered :	Research on Economics/Market/Industry

2

3

Name of the Faculty	: Dr. Darshana R. Dave
Designation	: Professor
Qualifications	: Ph.D. / MBA
Department	: Business Management
Contact Details	:
	Phone : 02692 248463
	Fax : 02692 248444
	E-Mail : davedarshana@rediffmail.com
Specialization	:
	Broad area: Management
	Specific field: Specific field: Marketing Management
Major Projects:	
	Ongoing: 02
Nature of consultancy to be/wish to be offered	: Marketing Research

4

Name of the Faculty	: Dr. P. K. Priyan
Designation	: Professor
Qualifications	: Ph.D., M.Phil., M.Com
Department	: Business Management
Contact Details	:
	Phone : 9427062368, 02692 235470
	E-Mail : priyanspu@gmail.com
Specialization	:
	Broad area: Finance
	Specific field: Specific field: Technology based Enterprises, Stock Markets
Major Projects:	
	Completed: 01
	Ongoing: 01
Nature of consultancy to be/wish to be offered	: Management Development Programme for small & medium sized entrepreneurs

Name of the Faculty :	Dr. Raju M. Rathod
Designation :	Associate Professor
Qualifications :	MBA, Ph.D.
Department :	Business Management
Contact Details :	
Phone :	02692 248463
E-Mail :	rm_rathod@spuvvn.edu
Specialization :	
Broad area:	General Management
Specific field:	Specific field: Marketing Management
Major Projects:	
Completed:	01
Ongoing:	01
Nature of consultancy to be/wish to be offered :	Soft skill training for corporate Data Analysis through SPSS

5

Name of the Faculty :	Dr. K. S. Prasad
Designation :	Assistant Professor
Qualifications :	MBA, Ph.D.
Department :	Business Management
Contact Details :	
Phone :	02692 248463(0), 9825248620(M)
E-Mail :	kolaprasad@yahoo.com
Specialization :	
Broad area:	H.R.M
Specific field:	Specific field: Business Policy & Strategic Management, IEOB
Major Projects:	
Ongoing:	01
Nature of consultancy to be/wish to be offered :	Training & Development

6

7

Name of the Faculty :	Dr. Ashishbhai C Mehta
Designation :	Assistant Professor
Qualifications :	M.Com, Ph.D.
Department :	Business Management
Contact Details :	
Phone :	(M) 9426846152
E-Mail :	ashishmehta 2001@yahoo.com
Specialization :	
Broad area:	Financial Accounting: Cost & Mgt. Accounting
Specific field:	Finance Area
Major Projects:	
Ongoing:	01
Nature of consultancy to be/wish to be offered :	Financial Accounting; Accounting Fraud, Risk Management can be performed effectively

7.11 Department of Business Studies

Name of the Faculty :	Dr. P. K. Rathod
Designation :	Professor, Dean
Qualifications :	M. Com., M.Phil, Ph.D, FDPM IIM-A
Department :	Business Studies (Commerce)
Contact Details :	
Phone :	(M) 9879278450
E-Mail :	drpkathod@gmail.com
Specialization :	
Broad area:	Finance & Accounting
Specific field:	Cost accounting & Taxation
Nature of consultancy to be/wish to be offered :	Disclosure Practices, Costing, Taxation

1

Name of the Faculty :	Dr. Sandip K. Bhatt
Designation :	Professor and Head
Qualifications :	M. Com., M.Phil, Ph.D.
Department :	Business Studies (Commerce)
Contact Details :	
Phone :	9879500416
E-Mail :	sandipkbhatp007@yahoo.co. in
Specialization :	
Broad area:	Commerce
Specific field:	Finance – Accounts
Major Projects :	
Ongoing:	02
Nature of consultancy to be/wish to be offered :	Management Consultancy, Financial Consultancy, Portfolio Management, Financial Aspects

2

3	Name of the Faculty :	Dr. C. K. Sonara
	Designation :	Professor
	Qualifications :	M. Com., M.Phil, Ph.D
	Department :	Business Studies (Commerce)
	Contact Details :	
	Phone :	(M) 9426378567
	E-Mail :	cksonaraz@gmail.com
	Specialization :	
Broad area:	Commerce	
Specific field:	Finance – Accounts	
Major Projects:		
Ongoing:	01	
Nature of consultancy to be/wish to be offered :	Research Methodology, Management Consultancy, Financial Consultancy, Portfolio Management	

4	Name of the Faculty :	Dr. Pinakin R. Sheth
	Designation :	Associate Professor
	Qualifications :	M. Com., Ph.D.
	Department :	Business Studies (Commerce)
	Contact Details :	
	Phone :	(R) 234462
	E-Mail :	pinakin 59@yahoo.co. in
	Specialization :	
Broad area:	Commerce	
Specific field:	General Mgt. HRM	

5	Name of the Faculty :	Dr. R. M. Joshi
	Designation :	Associate Professor
	Qualifications :	M. Com., PhD, FDPM
	Department :	Business studies
	Contact Details :	
	Phone :	(M) 9879955402
	E-Mail :	drrmjoshi2003 @ gmail.com
	Specialization :	
Broad area:	Marketing Management	
Specific field:	Specific Field: Consumer Behaviour	
Nature of consultancy to be/wish to be offered :	Market Survey / Research	

Name of the Faculty :	Dr. Dharmendra S. Mistry
Designation :	Associate Professor
Qualifications :	M. Com., MBA, Ph.D
Department :	Business Studies (Commerce)
Contact Details :	
Phone :	(M) 9904515526
E-Mail :	dsmistry76@yahoo.co. in
Specialization :	
Broad area:	Commerce
Specific field:	Specific Field: Accounting & Finance. HR
Nature of consultancy to be/wish to be offered :	Management & Strategy Consultancy, HR Consultancy

6

Name of the Faculty :	Dr. Y. M. Dalvadi
Designation :	Assistant Professor
Qualifications :	M. Com., Ph.D, FDP (IIM-A)
Department :	Business studies (Commerce)
Contact Details :	
Phone :	(M) 9428799455
E-Mail :	yagneshroyal@yahoo.co. in
Specialization :	
Broad area:	Commerce
Specific field:	Specific Field: Personal Taxation & Business Tax, Technology for Accounting
Nature of consultancy to be/wish to be offered :	Personal Tax & Tax Planning, Accounting & Research

7

Name of the Faculty :	Ms. Darshana Rohit
Designation :	Assistant Professor
Qualifications :	M. Com., UGC NET (JRF), Pursuing Ph.D.
Department :	Business studies (Commerce)
Contact Details :	
Phone :	(M) 9998618639
E-Mail :	darshana.rohit@yahoo.com
Specialization :	
Broad area:	International Banking and Modern Finance

8

Name of the Faculty :	Mr. Suresh P. Machhar
Designation :	Assistant Professor
Qualifications :	MBA (Marketing), B.F. (Comp.), UGC - NET
Department :	Business Studies (Commerce)
Contact Details :	
Phone :	(M) 9909808390
E-Mail :	sureshmachhar @)gnail.com
Specialization :	
Broad area:	General Management, Computer, Marketing & ICT
Nature of consultancy to be/wish to be offered :	Marketing Research

9

7.12 Department of Economics

Name of the Faculty	: Dr. D. J. Chauhan
Designation	: Professor & Head
Qualifications	: PhD
Department	: Department of Economics
Contact Details	:
Phone	: (O) 02692 - 232208/232204 (R) 02692 – 234931
E-Mail	: dilubapu1956@yahoo.com
Specialization	:
Broad area:	Economics
Specific field:	Micro Economics, Central Banking
Major Projects	:
Completed:	01
Ongoing:	01

1

Name of the Faculty	: Dr. H. P. Trivedi
Designation	: Professor
Qualifications	: M.A., P.G. Diploma in Planning, Ph.D
Department	: Economics
Contact Details	:
Phone	: (02692) 232208
E-Mail	: hpstrivedi@yahoo.com
Specialization	:
Broad area:	Agricultural Economics
Specific field:	Environmental Economics
Major Projects	:
Completed:	11
Ongoing:	02

2

3

Name of the Faculty	:	Dr. N. M. Patel
Designation	:	Associate Professor
Qualifications	:	M.A., M.Ed., Ph.D
Department	:	Economics
Contact Details	:	
	Phone :	02692 237321, 9898276961 (M)
	E-Mail :	dr.nanda.patele@gmail.Com
Specialization	:	
	Broad area:	International Economics
	Specific field:	Agricultural Economics
Major Projects	:	
	Completed:	02
	Ongoing:	01

4

Name of the Faculty	:	Dr. Devraj G. Ganvit
Designation	:	Assistant Professor
Qualifications	:	M.A., Ph.D
Department	:	Economics
Contact Details	:	
	Phone :	(M) 9925123285
	E-Mail :	devrajganvit@yahoo.com
Specialization	:	
	Broad area:	Macro Economics
	Specific field:	Rural Development of Economics
Major Projects	:	
	Ongoing:	01

Name of the Faculty :	Dr. (Mrs) Sonal Bhatt
Designation :	Assistant Professor
Qualifications :	M.A., M.Phil, Ph.D, UGC NET
Department :	Economics
Contact Details :	
Phone :	(M) 09427177380
E-Mail :	svbhatt@gmail.com
Specialization :	
Broad area:	Natural Resources Economics
Specific field:	Public Policy
Major Projects :	
Completed:	02
Ongoing:	01
Nature of consultancy to be/wish to be offered :	Public Policy Issues

5

Name of the Faculty :	Mr. Jignesh K. Barot
Designation :	Assistant Professor
Qualifications :	M.A., GSLET
Department :	Economics
Contact Details :	
Phone :	(M) 9427545457
E-Mail :	barot.jignesh@ymail.com
Specialization :	
Broad area:	Econometrics
Specific field:	Quantitative Economics
Major Projects :	
Ongoing:	01

6

7

Name of the Faculty	: Dr. Manish R. Patel
Designation	: Assistant Professor
Qualifications	: M.A., M.Phil., GSLET, Ph.D
Department	: Economics
Contact Details	:
	Phone : (M) 9429345920
	E-Mail : manishzeel@rediffmail.com
Specialization	:
	Broad area: Economics of Development
	Specific field: Quantitative Economics
Major Projects	:
	Completed: 01
	Ongoing: 01

7.13 Department of Hindi

Name of the Faculty :	Dr. Dayashankar Tripathi
Designation :	Professor
Qualifications :	M.A., NET (JRF), Ph.D.
Department :	Hindi
Contact Details :	
Phone :	(M) 94275 49364
E-Mail :	tripathidayashankar@yahoo.com
Specialization :	
Broad area:	Hindi Sahitya
Specific field:	Madhyakalin Sahitya
Major Projects :	
Ongoing:	01

1

Name of the Faculty :	Dr. Navneet Chauhan
Designation :	Designation: Professor
Qualifications :	M.A. , M.Phil, Ph.D.
Department :	Hindi
Contact Details :	
Phone :	(M) 9427082215
E-Mail :	drnavneetvvn@vahoo.com
Specialization :	
Broad area:	Hindi Literature
Specific field:	Hindi Drama & Dramatics, Media
Major Projects :	
Completed:	02
Nature of consultancy to be/wish to be offered :	Media, Drama & Dramatics, Programme Arranger

2

3	Name of the Faculty :	Dr. Hasmukh M. Parmar
	Designation :	Assistant Professor
	Qualifications :	M.A., NET, Ph.D.
	Department :	Hindi
	Contact Details :	
	Phone :	(M) 99090 35053
E-Mail :	hmparmar@spuvvn.edu	
	Specialization :	
	Broad area:	Language & Literature (Hindi)
	Specific field:	Katha Sahitya (Fiction)

4	Name of the Faculty :	Dr. Madanmohan Sharma
	Designation :	Professor
	Qualifications :	M.A., M.Phil., Ph.D.
	Department :	Hindi
	Contact Details :	
	Phone :	02692 - 226841
	Specialization :	
	Broad area:	Hindi Literature
	Specific field:	Dramatics, Research Methodology
	Nature of consultancy to be/wish to be offered :	Translation (Gujarati to Hindi)

5	Name of the Faculty :	Dr. Seema R. Rathod
	Designation :	Assistant Professor
	Qualifications :	M.A., Ph.D.
	Department :	Hindi
	Contact Details :	
	Phone :	(M) 98247 16158
	E-Mail :	seema3121@yahoo.in
	Specialization :	
	Broad area:	Hindi Literature
	Specific field:	Katha Sahitya
	Nature of consultancy to be/wish to be offered :	Hindi Literature

7.14 Psychology

Name of the Faculty :	Dr. Sangeeta N. Pathak
Designation :	Associate professor
Qualifications :	MA, MSW, PhD, Dip. HRD
Department :	Psychology
Contact Details :	
Phone :	(M) 09824333464
E-Mail :	Sangee14365@yahoo.in
Specialization :	
Broad area:	Industrial Psychology
Specific field:	Social, Counseling
Major Projects:	
Completed:	01
Ongoing:	01
Nature of consultancy to be/wish to be offered :	Counseling

1

Name of the Faculty :	Dr. Sureshbhai M. Makvana
Designation :	Associate professor
Qualifications :	MA, MPhil, PhD
Department :	Psychology
Contact Details :	
Phone :	(M) 09427083799
E-Mail :	sureshmakvan.1191@rediffmail.com
Specialization :	
Broad area:	Industrial & Organizational Behavior
Major Projects:	
Ongoing:	01
Nature of consultancy to be/wish to be offered :	Innovative Research Activities

2

3

Name of the Faculty	:	Dr. Pankaj H. Suvera
Designation	:	Assistant Professor
Qualifications	:	MA, MPhil, PhD
Department	:	Psychology
Contact Details	:	
	Phone :	09427381952
	E-Mail :	pankajsuvera@yahoo.com
Specialization	:	
	Broad area:	Clinical Psychology
	Specific field:	Abnormal, Social & Health

7.15 Department of Sanskrit

Name of the Faculty :	Prof Niranjan P Patel
Designation :	Professor
Qualifications :	MA, Ph.D
Department :	Sanskrit
Contact Details :	
Phone :	02692-226828, (M) 9525949753
E-Mail :	niranjanpatel20@yahoo.com
Specialization :	
Broad area:	Sanskrit
Specific field:	Nyaya Vyakaran, Vedant

1

Name of the Faculty :	Dr. Maheshkumar G Patel
Designation :	Assistant Professor
Qualifications :	MA, PhD
Department :	Sanskrit
Contact Details :	
Phone :	(M) 9726564696
E-Mail :	maheshgpatel78@gmail.com
Specialization :	
Broad area:	Sanskrit
Specific field:	Puran-Vedanta

2

Name of the Faculty :	Dr. Prafulkumar V. Joshi
Designation :	Associate Professor
Qualifications :	MA, BEd, PhD
Department :	Sanskrit
Contact Details :	
Phone :	(M) 9898859824
E-Mail :	prafulljoshi815@gmail.com
Specialization :	
Broad area:	Sanskrit
Specific field:	Puran-Vedanta Sanskrit Alamkara-Modern Sanskrit

3

8. Details of Campus Placement of Students (in last three years)

Department of.....

8.1 Department of Chemistry

- Navin Fluorine International Ltd., Surat
- Synth Services, Savli, Baroda
- Apothecone Pharmaceutical Pvt. Ltd., Vadodara
- Intas Pharma, A'bad
- Solvy International Ltd., Panoli
- Oxygen Helth care, A'bad
- Sigma energy, Baroda
- Vidya Dairy, Anand
- Aditya Birla, Bharuch
- PI Industries Ltd., Ankaleshwar
- BASF, Dahej
- Electrical Research Development Association, ERDA, Vadodara
- Pyramal Discovery Solution, A'bad
- Amoli Pharmaceutical, Vadodara
- Birla Cellulosic, Kharach Grasim Industries Limited, Bharuch
- Meghmani Organics, Ahmedabad
- Meghmani Organics Ltd., Dahej-Agro
- Meghmani Organics Limited, Vatva-Ahmedabad
- Alembic Pharmaceuticals Limited, Vadodara
- Lupin Limited, Vadodara
- Amoli Organics Private Limited, Vadodara
- Piramal Discovery Solutions, PHARMEZ
- CoromandalKing, Vapi
- AsthaNanochem Pvt. Ltd, Vadodara

8.2 Home Science

- Sun Pharmaceuticals Industries Ltd.
- Pollution Laboratories Pvt. Ltd.

8.3 Electronics

- Gujarat Insecticide Ltd.-Ankleshwar
- ONGC-Ankleshwar
- Reliance Industries-Vadodara
- AMUL Dairy-Anand

- Schneider Electric-At & Post Halol
- E.Q.D.C.-Gandhinagar
- ELECON Engg. Company-V.U. Nagar
- Systronics Electronics-Ahmedabad
- Royal Electricals-V.U. Nagar
- DELMER Products Ltd., Gorwa
- FAG Bearing Ltd. Schaeffler India
- Amtech Electronics India Ltd, Gandhinagar
- Accutron-Gandhinagar

8.4 Materials Science

- Parikh Packaging, Ahmedabad
- OM ceramics, Vallabh Vidyanagar
- IPR, Gandhinagar
- Vinyroyal Pvt. Ltd., Halol
- Navin Fluorine, Surat
- L & T Industries, Ranoli

8.5 Statistics

- Tata Consultancy Services (TCS), (Vadodara, Mumbai, Bangalore)
- NIELSEN, (Vadodara, Mumbai)
- Torrent Pharma
- Cadila, Zydus
- Sun Pharma
- Piramal Healthcare
- Lamda, Cytel
- Easy Transcription and Software Pvt. Ltd.,
- Alstom, ELECON
- Vadilal
- IDMC Ltd
- LLOYD
- Azure
- Amul
- Punyam
- Vulcan Ind. Engg. Co.
- T. D. Williamson
- Tyco

8.6 Computer Science

- Tata Consultancy Pvt. Ltd., Gandhinagar
- Prakash Software Solutions Pvt. Ltd., Vadodara
- Axelor Technologies India Pvt. Ltd., Ahmedabad
- Proseon Technologies Pvt Ltd (Baroda), Baroda
- Prakash, Baroda
- TinyERP Private Limited, Gandhinagar
- Vrindi India Pvt. Ltd., Anand
- Promact Infotech Pvt Ltd., Vadodara
- iMOBDEV Technologies Pvt. Ltd., Ahmedabad
- WebLine India, Ahmedabad
- eClinical Works, Ahmedabad
- Promathus, Mumbai
- Young World Infotech, Anand
- Prometheus, Mumbai
- L & T Ltd., Vadodara
- Indusa Infotech Services Pvt. Ltd., Ahmedabad
- 360 ERP Enterprise Solution, Ahmedabad
- Om Info Solutions, Vallabh Vidyanagar
- SPEC India, Ahmedabad

8.7 Business Administration (MBA)

- Evosys
- Vodafone
- ICICI Securities
- KGMS
- GCM MF
- BAJAJ Allianz
- Action Edqe
- R-Cube
- SPIPA
- Asian Paints
- Othello Group
- Transpek Silos
- AEP Unique Forgingqs
- Corporation Bank
- HDFC Bank
- Central Bank of India
- TRIZONE Entertainment
- SNL Finance SPEC Institute of Mngt

- Universal Hunt
- Evosys
- Prakash Chemicals Ltd.
- Transpek
- Othello Group.
- Asian Paints
- Transpek
- HDFC Bank
- TRIZONE Entertainment
- SNL Finance
- Airtel
- Prakash Chemicals
- Zaptech Infotech
- Jinen Fincap
- Kwickjobs
- Bajaj Alliance
- LAVA Mobile
- Vrindi
- Transpek Silox

8.8 Business Studies (Commerce)

- Future Generally Insurance
- Bajaj Alliance
- Unisol
- Max India
- LIC
- SB Enterprise – Tanzania

8.9 Library & Information Science

(In academic institute)

- Torrent-Ahmedabad
- IIM-Ahmedabad
- NDDDB-Anand
- CHARUSAT University-Changa
- Charutar Vidyamandal-VV Nagar
- Parul Institute-Vaghodia
- Para Medical Sci.& Tech. College-Anand
- DDIT-Nadiad
- SVIT-Vasad
- Pramukh Swami Medical College-Karamsad
- IIT-Odissa

9. General and Sports Utilities

9.1 Bhaikaka Library

- A. Bhaikaka Library is a central Library of the Sardar Patel University. Bhaikaka Library is an academic and Research Library, Not meant for Public Library. The Membership is given to the Sardar Patel University's P.G. Departments and affiliated Colleges' students, teaching and non-teaching staff.

Following are the details for **membership registration**.

Sr. No.	Member	Library Fee	Barcoded I-Card Fee	Library Deposit	Number of Books	Period	Over-Due Charges (Per Day)
1	U.G.Students Affiliated Colleges Granted/Self Finance	Rs. 600/- (for 3 years)	Rs. 100/-	Rs. 1000/-	2 Books	14 days	Rs. 10/-
2	P.G.Students Affiliated Colleges Granted/Self Finance	Rs. 800/- (for 2 years)	Rs. 100/-	Rs. 1000/-	2 Books	14 days	Rs. 10/-
3	M.Phil Students Affiliated Colleges Granted/Self Finance	Rs. 1000/- (for 1 year)	Rs. 100/-	Rs. 1500/-	2 Books	14 days	Rs. 10/-
4	Teaching/Non- -Teaching Staff Affiliated Colleges Granted/Self Finance	Rs. 1500/- (for 3 years)	Rs. 100/-	Rs. 1500/-	3 Books	14 days	-Nil-
5	All S.P.U. P. G. Students	Rs. 400/- (Per Sem.)	Rs.100/-	Rs.200/-	2 Books	14 days	Rs. 10/-
6	S.P.U. M.Phil. Studnets	Rs.750/- (For 1 year)	Rs.100/-	Rs.200/-	2 Books	14 days	Rs. 10/-
7	All S.P.U. PhD. Students	Rs.1000/- (Per Sem.)	Rs.100/-	Rs.200/-	6 Books	14 days	Rs. 10/-
8	Life Membership to Retired Faculties/Admin. Satff of SPU P.G.Departments	Rs.2000/-	-----	-----	02 Books	14 days	Rs. 10/-
9	Occasional Membership for other than SPU Students (For one month)	Rs.100/-	-----	-----	On place Reference Services	~	-----

- B. The **Library collection** consists of the following :

1. Books : **2,37,557**
2. Journals : **266** : National: **204** International: **62**
3. Reference Books : **17,327**

Services :

- Internet Facilities
- U.G.C. – Infonet
- E-Journals Access
- Online Public Access Catalogue (OPAC)
- Career Line Books Collection (Competitive Exams)
- Current Awareness Service (CAS)
- Photocopying Services
- Reading Room Facilities
- Free Wi-Fi Services
- DELNET Access
- E-Information through User Group
- Inter Library Loan Services
- Online Articles/Documents Delivery
- Library Orientation Programme (Every Year)
- Selective Dissemination of Information
- Women’s Reading Room Facilities
- CD – Writing
- Cyber Café

C. The Timings :

Library : 10.00 a.m. to 5.30 p.m.

(The library remains closed on Public holidays)

Reading Room : 8.00 a.m. to 10.00 p.m.

(The Reading Room remains open on Public Holidays too.)

9.2 Auditoriums / Conference Halls

No.	Auditoriums / Conference Halls	Capacity (Seats)	Service charges Per Day (Rs.)	
			Educational Purpose	Non-Educational Purpose
1.	University Auditorium-I (MBA Auditorium Hall)	263	1500/-	3000/-
2.	University Auditorium-II (Chemistry Auditorium Hall)	250	3000/-	5000/-
3.	University Auditorium-IV (MBPC Auditorium Hall)	250	500/-	750/-
4.	University Auditorium-V (Senate Hall-University Office)	115	2000/-	4000/-
5.	University Auditorium-VI (Electronics Auditorium Hall)	125	500/-	1000/-
6.	University Auditorium-VII (Students Hall of Hindi Dept.)	250	500/-	1000/-
7.	University Auditorium-VIII (Comp. Sci. Auditorium Hall)	235	1500/-	4000/-
8.	Sardar Patel Senate Hall (Gyanodaya Pariksha Bhavan)	180	8000/- 15000/-	12000/- 22500/-
9.	M. P. Patel Auditorium Hall	275	5000/-	7500/-

9.3 Guest Houses, Quarters & Rooms of Hostels

No.	Guest House Accommodation	Total No. of Rooms	No. of Beds Per Room	Service Charges Per Head Per Day (Rs.)	
				Educational Purpose	Non-Educational Purpose
1.	Old VIP Guest House	3	2	500/-	750/-
2.	New VIP Guest House	7	2	750/-	1000/-
3.	Semi VIP Guest House	6	2	250/-	500/-
4.	Faculty Guest House	18	2	100/-	200/-
5.	Dormitory Guest House	2	6	50/-	75/-

Quarters & Rooms of Hostel		Service Charge Per Day (Rs.)	
		Educational Purpose	Non- Educational Purpose
1.	A, B, C, D & E Type Quarters	150/-	150/-
2.	E, F, G, I & T Type Quarters	100/-	100/-
3.	Hostel Type Quarters	100/-	100/-
4.	Rooms of Men's Hostels	100/-	100/-
5.	M.B.A. NRI Hostel	100/-	100/-

Note :

Facilities like T.V. in each room (Both at Old & New VIP Guest House) as well as Central Internet Facilities to be provided before charging the revised rates.

9.4 Dining Halls

No.	Dining Halls	Capacity	Service charges Per Day (Rs.)	
			Educational Purpose	Non-Educational Purpose
1.	Faculty Guest House Lawn/Dining Hall	150-2000 Persons	300/-	500/-
2.	B.Sc., B.Ed. Hostel Hall	50-150 Persons	For Staff For others	500/- 750/-
3.	Open Quadrangle of Humanities Building	500-750 Persons	250/-	500/-

9.5 University Play Ground

No.	University Playground	Service charges Per Day (Rs.)
1.	Cricket Ground	2000/-
2.	Football Ground	1000/-

9.6 Yugpurush Swami Vivekanand Sports Complex

Per Day Charge

No.		Time	University affiliated Colleges and Departments (Per Day Rs.)	Other (Rs.)
1.	Bad-Minton	8.00 a.m. to 5.00 p.m.	2500/-	5000/-
2.	Table-Tennis	8.00 a.m. to 5.00 p.m.	1000/-	2000/-
3.	Basketball Volleyball Handball	8.00 a.m. to 5.00 p.m.	2500/-	5000/-

Monthly Membership Charges (Rs.)

No.	Play	Students	Uni. Employee	Other
1.	Bad-Minton	200/-	300/-	400/-
2.	Table-Tennis	100/-	200/-	250/-

9.7 University Press

The University Press caters printing services to all Teaching Departments and Administrative Sections of University. University Press undertakes printing of Diary, Calendar, Brochures, Books, Invitation, Journals, News-letters etc. The University Press has Pre-press facility (Computerized DTP Section and Plate-making Unit), Printing Facility (One Colour and Two Colour Offset machine, High Speed Copiers, etc) and Post printing facilities. For more details please contact to : Press Manager, University Press, Sardar Patel University, Vallabh Vidyanagar.

9.8 Botanical Garden

Sardar Patel University has got a nice Botanical garden spread over 3.2 acres of land just half a kilometer away from its main campus and adjacent to the residential premises of its staff in Vallabh Vidyanagar. The botanical garden filled with a wide variety of plants in the midst of clean, fresh and serene environment creates a feeling of isolated green paradise absolutely free of air pollution and noise pollution.

In the botanical garden, we have got

- A spacious green carpet like lawn
- A cactus house
- A green house

- A fern house
- An open pond
- A nursery
- Different plots for medicinal plants, ornamental plants, tree species etc.

With no traces of doubt, this botanical garden is a unique place, worth spending time to get relaxed from fatigue feelings of the busy and noisy world. Organizing open-air small meetings and functions of industrial units, business firms, charity trusts, educational institutions, individual entrepreneurs etc., in such a pleasant environment would be a novel idea. Such meets certainly would become excellent events. Sardar Patel University initiates to extend this facility with most nominal charges to the interested parties that are genuinely concerned with natural environment. So why don't you grab this opportunity to have your next group meeting in our green paradise ?

Through this botanical garden we also wish to serve the industrial units by supplying different kinds of flowering tree saplings for plantation and indoor plants in specific seasons. Interested organizations may contact the Head, Department of Biosciences for booking their requirement or further details.

Service Charges : Rs. 1000/- Per Day.