Campus Features

Fully owned by the State Government ❖ Sprawling campus with modern building ❖ SOUL Library and N-List e-resource ❖ Rich collection of international Books and Periodicals ❖ State-of-the-art laboratory instruments ❖ Network Centre with high-speed Internet ❖ VPN Connectivity to education resources ❖ WiFi enabled ❖ Air-conditioned Seminar hall, Auditorium ❖ Latest Audio-visual and teaching aids ❖ Direct bus service from most city destinations ❖ Language Labs for French, German, English ❖ Educational Learning Laboratory (ELL) ❖ BISAG connectivity for satellite lectures ❖ Computer Lab with advanced Software ❖ Qualified and Experienced faculties ❖ Strategic partner from non-academia ❖ Students from other state and foreign nations

Course Features

❖ Affiliated to prestigious Gujarat University ❖ Syllabus as per Choice-based Credit System ❖ Advanced and updated curriculum of subject ❖ Practical and Research Training ❖ All inclusive and comprehensive content ❖ Computer aspect of subject covered ❖ English as a medium of instruction ❖ Versatile and useful elective subjects ❖ English as compulsory Foundation course ❖ Integrated option for PG studies ❖ Online Learning by world-class Moodle® ❖ Attractive alternate to professional courses ❖ Reasonable fee despite self-finance mode ❖ Option for free In-house project work ❖ Gold-medals instituted at Gujarat University ❖ Limited merit scholarship to students ❖ Soil Health Card and other projects for earning ❖ Satisfactory placement track record ❖ Admission by central online process

Teaching and Evaluation

❖ Teaching by Class-room and laboratory sessions, Seminar, Review, Self-study unit, Research Project, Online learning by Moodle®, e-Book resource, Visual and chart, Audio-visual session, Educational video, Library session, Guest lecturers, Google group, BISAG lecture, Site Visit etc. ❖ Assessment by Continuous assessment, Internal examination, External examination, Project preparation and performance in Practical sessions.

Government Science College,

K.K. Shashtri Educational Campus, Near Planet Hyundai,
Khokhara - Hatkeshwar Road, Maninagar (E), Ahmedabad 380 008

Website : http://www.gscitech.ac.in
e-Mail : Info@gscitech.ac.in, kksbiotech@gmail.com
Phone : +91-79-22934008, 094285-20508-9
GPS Locus : 23.003739, 72.616059
Work Hrs. : 11.00 AM to 05.30 PM, Mon-Sat

(This brochure is for primary information and details shown are subject to change)

Government of Gujarat

Government Science College

Self - Financed

K. K. Shastri Educational Campus
Ahmedabad 380 008 INDIA

Offers courses in latest subjects
as alternate to professional courses.

B.Sc. Biotechnology

B.Sc. Environmental Science

B.Sc. Health and Hygiene

M.Sc. Biotechnology

M.Sc. Environmental Science

Bachelor in Computer Application

Vision

1. Aspire to earn reputation as a center for excellence in the state for imparting higher education in the diverse faculties.
2. Endeavor to inculcate a vision among its students in pursuit of higher education not merely for fulfillment of individual accomplishment, but also with a concern of the overall development of Gujarat and the nation.
3. Strive to train and create a skilled workforce fully prepared to meet the global competitiveness in taking up the bigger challenges.
4. Focus the education in science by giving special emphasis to biology keeping high ideal and exploring the secrets of the nature to serve thereby a mankind to provide every comforts of life.
5. Establish a firm base of awareness of the cutting-edge levels in every walk of life, and to propagate the knowledge on latest scientific know-how in the state.

NEA award 2015 for excellent higher education institute in Gujarat

Affiliated to the Gujarat University and Recognized under 12-B and 2(f) by the UGC, New Delhi

A state government initiative (2006) for quality higher education and prepare human resource for the futuristic need. The college made rapid progress under the visionary leadership of former Chief Minister Shri Narendra Modi, representing this constituency. The campus offers courses in the diverse faculties of Arts, Commerce, Law, Management and Computer applications in addition to science. For science faculty, Graduate and Post-graduate courses upto Ph.D. in special subjects are offered here. These courses remained an attractive alternative to professional course and to B.Sc. programs in conventional subjects.

GPS Locus : 23.003739, 72.616059

About Us

The campus named after noted scholar, researcher, academician and Padmashri recipient Keshavram K. Shastri.

The colleges within the campus also offer in addition to science and BCA, courses of B.A, B.Com. LL.B., B.B.A. and M.C.A. Various short-term courses from K.C.G., Shri Somnath Sanskrit University, Babasaheb Ambedkar University, and Cambridge University are also offered.

Mission

1. Provide quality higher education in wide ranging area accompanied by extra mural and outreach activities with a sense of completeness.
2. Provide flexibility in the courses, adapting to innovative methods in learning approach to equip youth to face the future as a responsible citizens of an evolved society.
3. Development of the environment where academic and research pursuit can be nurtured to enable youth to attain optimal levels of academic excellence and professional competence
4. Endeavor for concerted linkages with industry, research laboratories professional bodies and statutory organizations for the mutual benefit in provide quality service.
5. Adequate opportunity for the development by means of training and research to students, staff, and faculties.

B.Sc. Biotechnology

Gujarat University 3 year course taught in English medium. Choice to continue M.Sc. under integrated option, or can be pursued elsewhere. The curriculum was designed to incorporate advanced practical training to meet expectation of the industries and was updated as per Choice-based Credit System.

Aims: The B.Sc. (Biotechnology) was conceived as an endeavor to develop skilled human resource required to promote the industrial development. The program aimed at building sound foundation in the diverse area of the biotechnology to encourage further studies, research and promoting self-employment.

Admission Requirement

Requisite Qualification

Standard XII pass from recognized board in B or AB streams (with Biology subject).

Skills Valued in Course

❖ Scientific aptitude and keen interest in biology ❖ Able to work neatly and accurately ❖ Methodological and patient by nature ❖ Flair for laboratory work ❖ Computers and IT skill ❖ Ability to work independently ❖ Problem Solving, Analyzing and Interpretation ❖ Good command over English language

Intake

Total 120, Reservation for SC/ST/SEBC/EBC/ Person with Disability as per rules.

Subject Papers

1st Year: Biotechnol/Microbiol/Chem
2nd Year: Biotechno/Microbiol
3rd Year: Biotechnol

Key Area Studied

Biochemistry, Biochemical Engg, Health, Immunology, Mole. Genetics, Agriculture, Food, Environment, Enz. Microbial Tech. Marine Biotech. Pharmaceuticals, Nanotechnology and Bioinformatics

Career Opportunities

Prepare for career in Academic institutions, Clinical Research, Health management, Pharma and Dairy Industry, Agriculture Sector and R & D Laboratories. Trained in Entrepreneur for self employment. All other options available to any graduate

Badge: Shri Prabhudas Patwari Gold Medal for top scorer at final University examination.

LCMS Facility

B.Sc. Environmental Science

Gujarat University 3 year course taught in English medium. Upward linkage for M.Sc. available or can be pursued elsewhere. The curriculum is updated in conformity with Choice-based Credit System.

Aims: Understand dynamic interactions in the complex human environment systems. Understand these systems to advice the policy development, Environmental planning and decision making in scientific ways. Prepare to formulate and conduct research and thereby help developing new technologies solving environmental problems.

Admission Requirement

Requisite Qualification

Standard XII pass from recognized board in A, B or AB streams

Skills Valued in Course

❖ Scientific aptitude and keen interest in nature ❖ A flair for laboratory and field work ❖ Methodological and patient by nature ❖ Ability to work independently ❖ Computers and information technology skill ❖ Problem Solving, Analyzing and Interpretation ❖ Good command over English language ❖ Environmental Awareness

Intake

Total 120, Reservation for SC/ST/SEBC/EBC/ Person with Disability as per rules.

Subject Papers

1st Year: En.Sc./Chem/Phy or Health
2nd Year: En.Sc./Chem
3rd Year: En.Sc.

Key Area Studied

Physics, Zoology, Botany, Earth Science, Geography, Meteorology, Atmosphere, Geology, Remote sensing, Environmental Impact, Management, Law, Organic, Inorganic and Analytical Chemistry

Career Opportunities

Prepare for career in environment-related Industries and R&D establishments, Forest and Wildlife Management, Social Development, Environmental Activist, Government Plan and Policy, Journalism, Environmental Modeling, Impact assessor and Environmental Consultancy sectors.

Badge: Green Env. Coop. Soc. Gold Medal for top scorer at final University examination.

Dr. A.P. Singh at EnviroNext

B.Sc. Health and Hygiene

Gujarat University 3 year course taught in English medium. Option for M.Sc. studies in allied subjects or at limited centers offering Health-related courses. The course was conceived recently as first of its kind as per Choice-based Credit System involving expertise from the medical fraternity.

Aims: For booming health sector to promote the quality of life, the course imparts professional training for managing health-care center and manufacturing industry. It covers basic medical knowledge to requisite training in management, administration and finance also. Inclusive training would enable to deal with policy making, medico-legal issues and to support medical team.

Admission Requirement

Requisite Qualification

Standard XII pass from recognized board in B or AB streams (with Biology subject).

Skills Valued in Course

❖ Compassion and tolerance for sick/injured ❖ Flair for laboratory and hospital work ❖ Committed to medical field ❖ Command over English ❖ Scientific aptitude and interest in biology ❖ Work neatly and accurately ❖ Methodological and patient ❖ Computer IT skill

Intake

Total 120, Reservation for SC/ST/SEBC/EBC/ Person with Disability as per rules.
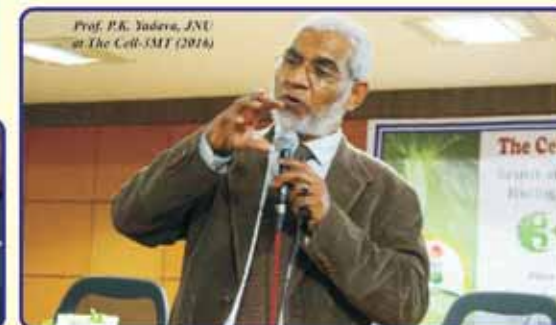
Subject Papers

1st Year: Health/Microbiol/Biotechnol
2nd Year: Health/Microbiol
3rd Year: Health

Key Area Studied

Medicine, Physiology, Anatomy, Biology, Pharmacy, Environment, Law, Computer science, Trauma care, Management, Clinical research, Microbiology, Diseases diagnosis, and Epidemiology

Career Opportunities

Technical position in Healthcare and Government sector, Academia, Business Marketing, Consultant and Evaluator in healthcare finance and Insurance, Medico-legal Advisor, Emergency health-care system, Informatician for health data.

Prof. P.K. Yadava, JNU at The Cell-SMT (2016)

Master of Science - Biotech/Env. Sci.

Gujarat University 2 year course taught in English medium is available in BTI only under integrated structure of this college, whereas in ENV as regular PG course. The curriculum of these programs includes research as an integral component and in BTI choice to select special papers in different biotechnology area every year.

Aims: The two year program of M.Sc. (BTI) is an advanced training after foundation in Biotechnology whereas M.Sc. (ENS) was conceived as an endeavor to develop skilled human resource to manage environmental conservation and policy. The most advanced curriculum with practical training prepare students in every vitally important aspect related to the environment.

Admission Requirement

Requisite Qualification

B.Sc.(BTI) from this college, other may apply. B.Sc. in any subject (Not Maths, Stat and related science) for ENS.

Skills Valued in Course

❖ Concept in related subject ❖ Methodological and patient ❖ Work neatly and accurately ❖ Aptitude for laboratory and research ❖ Excellence using Computers and IT ❖ Work independently ❖ Problem Solving, Analyzing and Interpretation ❖ Command over English

Intake

BTI Inclusive, ENV. 20 Reservation SC/ST/SEBC/EBC/PD as per rules.

Subject Papers

1st Year: Biotechnol OR Env. Sci.
2nd Year: Biotechnol OR Env. Sci.

Key Area Studied

BTI : Physiol, Mole Biol, Genetics, Biochem. Engg., Bioinformt. Plant/Animal Microbial biotech, Immunol/Health, Project ENV: Env. Chem, Resource, Energy, Issue, Laws, Toxicology, Water, Solid Waste, Marine Biotech, Project

Career Opportunities

Prepare for career in related Industries and R&D establishments, Consultancy sectors, Journalism, Teaching Profession, Policy and planning, Research for further study. Ample scope for entrepreneurship in relevant field.

Prof. Diana Anderson, UK

Bachelore of Computer Application

Gujarat University 3 year course taught in English medium. Further studies for M.C.A. or M.B.A. degrees are attractive option. The course is one of the popular avenue in the commerce discipline and academics. Computer training is comparable in part with that in engineering discipline.

Computer

Aims: Introduce to working of components and OS in a PC with usage codes. Training in internet, network tech, data handling with mathematical statistical concepts prepare for programming in C, C++, .Net and website development. Preparation in core concepts of Operation Research, MIS and Mass Communication together with motivational training will prepare for business.

Admission Requirement

Requisite Qualification

Standard XII in any Stream with English as Subject or Medium. Bridge course in Accountancy required if not passed in XII.

Skills Valued in Course

❖ Scientific aptitude and interest in computers ❖ Work neatly and accurately ❖ Methodological and patient ❖ Flair for Computer ❖ Ability to work independently ❖ Problem Solving, Logical Analyzing and Interpretation ❖ Command over English language and Key board

Intake

Total 60, Reservation for SC/ST/SEBC/EBC/ Person with Disability as per rules.

Subject Papers

(Part of List)

1st: Fundamental, C, HTML, Maths, Software, DBMS
2nd: COAM, Data, OOP, OS, State, DBMS, JAVA
3rd: OS, VB, DCN, Project, Website, DB Admin, E-com, MM

Key Area Studied

Statistics, Maths, Computer hardware, Programming language, Database concept, Internet, Web-design, OS, Mobile comm., Enterprise Resource Plan, MIS, e-Comm., Java, HTML, Web-design Project plan etc

Career Opportunities

The course would prepare for career as computer programmer, Web-designer, Software developer, System manager and administrator and in the academia. Experience/higher qualification may be needed. The course prepare for managing self-employed computer establishment.