



तमसो मा ज्योतिर्गमय



Darkness to Light
Since 2002

GEETANJALI

INSTITUTE OF TECHNICAL STUDIES, UDAIPUR

Your Pathway To Bright Future...

PERSPECTIVE PLAN (2018-28)

Approved by
Executive Committee of the Society
(Meeting held on 20th June 2018)

NH-76, Airport Road, Dabok, Udaipur-313022
Phone: 0294-2657800, E-mail: director@gits.ac.in

www.gits.ac.in

BASIC INFORMATION ABOUT THE COLLEGE

1. (a) Name of the College, with complete address, Pin Code and State:

**Geetanjali Institute of Technical Studies,
NH-76, Airport Road, Dabok, Udaipur-Rajasthan 313022
Tel. No. with STD code: 0294-2657800;
e-mail Id: info@gits.ac.in**

(b) Name of the District where the College is located: **Udaipur-Rajasthan**

(c) Name of the Society: **Geetanjali Education Society**

2. Bank Name, Address of Account holder:

**Punjab National Bank / State Bank of India
Geetanjali Institute of Technical Studies, Udaipur**

3. The College is also registered with AICTE Portal as per details given below:

Name of the College: **Geetanjali Institute of Technical Studies**
AICTE Permanent ID: **1-2593721**



4. Universities of affiliation of the colleges:

Rajasthan Technical University, Kota

5. Nature of management: **Private- Self Financing**

6. Whether situated in urban/ small town/ rural/ remote/ hill/ border/tribal area: **Rural**

7. (a) Whether the colleges are aided, i.e., receiving salary grant from the State/ Central Government (Yes/No): **No**

(b) Resources generated by the college through Fees in the year 2016-17: Rs. 156854334

(c.) External sources: (apart from Govt./UGC) Total: **Nil**

8. Category of Courses and intake:

- i. **Engineering:** Four Years Course: 600 Per Year in UG and 108 in Post Graduate
- ii. **MCA:** Three Years course: 60 per Year
- iii. **MBA:** Two Years Course: 60 per year

Programme	Name of Course	Field/ Laboratory Work involved	Intake Capacity	Students Enrolled in I Year (2016)	Students Enrolled in I Year (2017)	Students Enrolled in I Year (2018)	Students Enrolled in I Year (2019)
Undergraduate	B.Tech (CE)	Yes	60	57	62	49	29
	B.Tech CSE)	Yes	120	121	123	110	121
	B.Tech ECE)	Yes	120	21	37	32	22/60
	B.Tech (EE)	Yes	120	58	39	50	26/60
	B.Tech (ME)	Yes	120	52	57	73	40
	B.Tech (AE)	Yes	60	23	12	7	-----
Postgraduate	M.Tech (CSE)	Yes	18	9	4	1	3
	M.Tech (DC)	Yes	18	3	0	1	1
	M.Tech VLSI)	Yes	18	1	7	0	-----
	M.Tech (PS)	Yes	18	6	2	1	3
	M.Tech (IEM)	Yes	18	1	5	4	4
	M.Tech (RE)	Yes	18	1	0	0	-----
Management	MBA	No	60	60	60	60	60
Computer	MCA	Yes	60	35	36	30	30
Total			828	448	444	418	339

9. Total number of permanent teachers (or teachers appointed on regular basis in case of Government Colleges) and temporary/ ad-hoc (full-time) teachers, part time/ guest / visiting teachers.

Permanent: 101

Temporary/ Ad-hoc (full-time): 00

Part- time/Guest: 06

Visiting & Adjunct: 04

Total: 105



INTRODUCTION

Geetanjali Institute of Technical Studies

GITS was established by Geetanjali Education Society, a registered society, in 2002-03 in Udaipur to focus on making technical and professional education accessible to the students of this tribal region. It was the first Private College of Engineering in the region and although the subject was new to the students, it progressed over the years to become a pioneer in the field of technical education. During the year 2012, it received ISO 9000:2000 certificate, making the management quality conscious.

The Society set up its first College in the year 2002-03 with its name as ***Geetanjali Institute of Technical Studies*** to offer under-graduate courses, affiliating them with Mohanlal Sukhadia University, Udaipur under the provisions of the self-financing colleges of the state government. In 2006 ***Geetanjali Institute of Technical Studies*** affiliated with Rajasthan Technical University, Kota. The campus was located on an area of about 25.96 acres at NH – 76, Airport Road, Dabok, Udaipur, which meets the requirements laid down by the government.

Though the college is affiliated to the state university, the teaching is done to develop all round knowledge of the students. There is strong monitoring system that the management has adopted which works under the Internal Quality Committee e. It has developed mechanisms for getting feedback from students and other stakeholders about the curriculum, teachers and institution, besides regular feedback during the academic session through Mentors and HoDs. The committee, not only analyzed the feedbacks, but also proposed the actions as required. The management has been striving for up-gradation of the knowledge of the teachers by involvement of experts from affiliating university, industry and other renowned institutions.

Academic Infrastructure: The academic buildings are divided into 5 different blocks as per table below:

Block A	Department of EE, Department of ECE, Department of MCA	Class Rooms, All laboratories, Offices and other facilities as per AICTE Norms.
Block B	Administration, Department of CSE Department of ME	Class Rooms, All laboratories, Offices and other facilities as per AICTE Norms.
Block C	Department of Automobile Engineering	Class Rooms, All laboratories, Offices and other facilities as per AICTE Norms.
Block D	Department of H & S, Department of CE	Class Rooms, All laboratories, Offices and other facilities as per AICTE Norms.
Block E	Department of MBA	Class Rooms, All laboratories, Offices and other facilities as per AICTE Norms.

At present the college is offering following courses, which have been started after approval of the state government and regulatory bodies such as AICTE and affiliating university RTU, Kota:

UNDER GRADUATE PROGRAMMES

Degree	Eligibility	Intake
B.Tech (CE)	Bachelor in Technology (4 Year Degree Course) Eligibility : 45% marks in 12th (PCM) / Diploma (General Category) & 40% for Reserved Category	60
B.Tech (CSE)	Bachelor in Technology (4 Year Degree Course) Eligibility : 45% marks in 12th (PCM) / Diploma (General Category) & 40% for Reserved Category	120
B.Tech (EE)	Bachelor in Technology (4 Year Degree Course) Eligibility : 45% marks in 12th (PCM) / Diploma (General Category) & 40% for Reserved Category	120
B.Tech (ECE)	Bachelor in Technology (4 Year Degree Course) Eligibility : 45% marks in 12th (PCM) / Diploma (General Category) & 40% for Reserved Category	120
B.Tech (ME)	Bachelor in Technology (4 Year Degree Course) Eligibility : 45% marks in 12th (PCM) / Diploma (General Category) & 40% for Reserved Category	120

POST GRADUATE PROGRAMMES

M.Tech (CSE)	Master in Technology (4 Year Degree Course) Eligibility : 55% marks in BE/B.Tech (General Category) in Relevant Discipline	18
M.Tech (DC)	Master in Technology (4 Year Degree Course) Eligibility : 55% marks in BE/B.Tech (General Category) in Relevant Discipline	18
M.Tech (VLSI)	Master in Technology (4 Year Degree Course) Eligibility : 55% marks in BE/B.Tech (General Category) in Relevant Discipline	18
M.Tech (PS)	Master in Technology (4 Year Degree Course) Eligibility : 55% marks in BE/B.Tech (General Category) in Relevant Discipline	18
M.Tech (IEM)	Master in Technology (4 Year Degree Course) Eligibility : 55% marks in BE/B.Tech (General Category) in Relevant Discipline	18
M.Tech (RE)	Master in Technology (4 Year Degree Course) Eligibility : 55% marks in BE/B.Tech (General Category) in Relevant Discipline	18
MBA	Master in Business Administration (2 Year Degree Course) Eligibility : 50% marks in Graduation (General Category) & 45% for Reserved Category	60
MCA	Master in Computer Application (3 Year Degree Course) Eligibility : 50% marks in Graduation (General Category) & 45% for Reserved Category	60

The proposed Perspective Plan (2018-28) has been prepared keeping in view the following objectives:

1. To support the college for strengthening the existing infrastructure and meet the basic needs such as books & journals including book banks, scientific equipment & campus development, teaching aids and sports facilities.
2. To seek assistance for the creation of facilities for the students belonging to educationally and economically deprived area/section to make them self entrepreneur and participate in programmes like Make-in-India, Skill Development, startups, innovation etc.
3. To encourage outreach activities, adult and continuing education in the neighboring areas for the betterment of the society by organizing activities on recent development.
4. To provide facilities encouraging the women to pursue higher education.
5. To provide platform to the teachers to work on innovative ideas in the fields of teaching, research, academic, extension and societal growth.

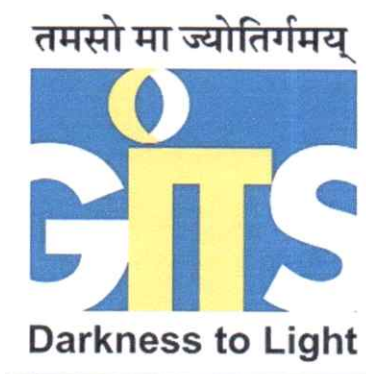
Besides working with the above objectives, the management also expressed their willingness to go for accreditation from various bodies such as NAAC, NBA etc. and thereafter, if possible seek international accreditation. As proposed by the Principal, the criteria for the attainment of accreditations in various categories are listed below:

Category & Criterion	Attainments
Vision, Mission and Program Educational Objectives	<ul style="list-style-type: none"> Have defined vision & mission of the institute and departments as per the suggestions of the various stakeholders. Defined Program Educational Objective of the department. The Vision, Mission and PEOs are published and disseminated among stakeholders
Program Curriculum and Teaching – Learning Processes	<ul style="list-style-type: none"> Worked on the Program Outcomes and created Program Specific Outcomes of the program & matched them with the curriculum. Identified the GAP, if any & taught beyond the syllabus for the attainment of market needs. Described the Processes followed to improve quality of Teaching & Learning, Quality of internal semester Question papers, Assignments and Evaluation, Quality of student projects, Initiatives related to industry interaction, Initiatives related to industry internship/summer training.
Course Outcomes and Program Outcomes	<ul style="list-style-type: none"> Established the correlation between the courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs) Calculated the attainment of Course and Program Outcomes

	and Program Specific Outcomes.
Students' Performance	<ul style="list-style-type: none"> Monitoring of the students' performance has been done regularly and analyzed the Success Rate in the stipulated period of the program. Worked on the Academic Performance in Third Year, Academic Performance in Second Year, Placement, Higher Studies and Entrepreneurship, Professional Activities.
Faculty Information and Contributions	<ul style="list-style-type: none"> Maintained the record of Faculty Information and Contributions. Maintain the Student-Faculty Ratio (SFR) and sensitive to Faculty Cadre Proportion, Faculty Qualification, and Faculty Retention. Constantly strived for the Innovations by the Faculty in Teaching and Learning, participation in Faculty development/ training activities/ STTPs.
Facilities and Technical Support	<ul style="list-style-type: none"> Adequate and well equipped infrastructure, laboratories, and technical manpower. Additional facilities created for improving the quality of learning experience in laboratories. Sensitive to the Safety measures in laboratories.
Continuous Improvement	<ul style="list-style-type: none"> Prepared various action plans based on the results of evaluation of each of the POs & PSOs.
Student Support Systems	<ul style="list-style-type: none"> Adopted Mentoring system to help at individual level
Governance, Institutional Support and Financial Resources	<ul style="list-style-type: none"> Budget Allocation, Utilization, and Public Accounting at institute and department level Feedback analysis and reward /corrective measures. Career Guidance, Training, Placement Entrepreneurship Cell

The Committee feels the institution has achieved the basic needs and if the programmes meet the essential requirements can plan for accreditation in 2-3 years' time.

GEETANJALI INSTITUTE OF TECHNICAL STUDIES



PERSPECTIVE PLAN (2018-28)

Geetanjali Institute of Technical Studies

- Approved by AICTE, New Delhi.
- Permanently affiliated to Rajasthan Technical University, Kota.

Detailed Proposals and Justification:

The proposal summarized below are based on the future needs of the institution keeping in view creating quality facilities beyond mandatory requirement and achieving the goal of striving for betterment.

Academic

The following new activities for the academic growth are proposed during next 10 years, subject to the approval of the competent authorities:

Academic Meets: The institution has been supporting and organizing seminar/conference/workshop every year in association RTU, Kota. It is proposed that during the proposed plan period 1-2 seminars/Conferences/workshops will be organized every year and support will be sought from the AICTE, state and central government departments including collaborating with the other state & private universities/institutions in such activities. The proposal also includes organization of an International Conference in the year 2024-25.

Faculty Development Programmes: In the past, the College has organized Faculty Development Programmes in collaboration with the Experts from industries, Rajasthan Technical University Kota and other universities/institutions. After the accreditation by the NBA, it is planned to play an important role in providing quality education. It is proposed to organize FDPs on quality education, research needs and other subjects for the benefit of the faculty and colleges. In such cases, GITS will collaborate with other NBA accredited universities and academic institutions. The institution will also tie with RTU to organize academic meets under TEQIP 3.

Library development: The GITS has its own library facilities for engineering & MBA programmes with good collection of the books, journals and other facilities. The library has more than 47816 books including text and reference books. It also subscribes to around 72 journals, periodicals and magazines. The book bank also has collection of all important programme related text books, providing 5-6 books per student for the semester. The up-gradation and strengthening of library is very essential in view of the periodical revision of syllabus by the affiliating university and new arrivals in the market. The efforts on growth of the library will be continued every year by adding the materials as per requirement of the syllabus and market arrivals.

Strengthening of the Computer Centre: The Computer facilities have been set-up as per needs of the Programmes. These facilities will be upgraded on regular basis through purchase of new hardware and software needs. The Computer Centre is also used by the students of all programmes. These will help students to develop their knowledge and to achieve the goals of Startup, Make in India, Skill Development and make them marketable. It is also proposed to set up one new lab with advanced systems during the proposed plan period.

Strengthening and Modernizing of the Laboratories: To maintain quality of the lab equipment, during the plan period, it is proposed to start Machine Learning and Data Science programmes for which laboratories will be set in the subjects of Machine Learning, Data Science, Cloud Computing etc. It is also proposed, as per market needs, to start PG courses Thermal Engineering, Software Engineering and Geotechnical Engineering for which additional facilities of laboratories will be

created. The facilities will be periodically upgraded and strengthened to make them as per the need of the programmes offered.

Creation of Senior Positions: The management has created the posts as per norms fixed by the regulatory body and the recruitment is done as per directives of the affiliating university. With aim of accreditation and as per provisions by AICTE senior positions have been created in each department to maintain cadre ratio. As proposed to introduce PG courses in the plan period, it is planned to create senior positions in such departments. The additional positions will also be created in other departments.

Special training to the students for career growth: It is proposed to provide interdisciplinary and digital training to the students to become self-entrepreneur and also become job provider. The local needs will be identified and hands-on work experience training will be conducted. The college has signed MoUs with Thermax, Redhat Linux, etc. for on job training of the students. The efforts will be continued during the plan period.

Students Counseling & Study visits: To motivate students to become self-entrepreneurs, it is proposed to develop expertise in starting own startup. The students will be provided an opportunity to go on study visits to various industries, interact with successful entrepreneurs and also undergo counseling and training. It will be done with the support of college including the activities for the career growth of the students. It is recommended to set up Institute's Innovation and Incubation Council for promoting new ideas.

Infrastructure

Campus Development: All required facilities will also be developed at current campus. The plan for construction of various buildings as per requirement.

Open Air Theatre: The plan has a provision of construction of the Open Air Theatre to be located between Block A & B. The theatre will have provision of accommodating 200 viewers with green rooms and a store.

Auditorium: The plan has a provision of construction of the auditorium to be located near D Block. The auditorium will have provision of accommodating 500 viewers with centralized AC, sound system, projector, green rooms and a store.

Utility Complex: It has been proposed to construct a Utility Block housing all general facilities such as indoor auditorium, gym & games, music room, required stationary & food shops, rooms for skill development courses etc.

Games and sports facilities: The institution has proposed to offer Cricket Coaching facilities through its GITS Cricket Academic. The campus has sufficient space for development of various games and sports facilities including an indoor gym for the students. The construction of tennis, courts and indoor gym will be done during the year 2019-20. The facilities available at the campus include football, cricket and hockey grounds.



Strengthening of Campus Road Network: It is proposed to develop proper connectivity of campus road network during the year 2019-20.

Construction of Parking: It is proposed to develop central campus parking during the years 2019-20.

Research and Development

Research Support: With an aim to become a Centre for Research and Development, Geetanjali Institute of Technical Studies has set up its research unit, named R & D Cell in 2012, with a variety of initiatives for Faculty, Students and Research Professionals. This unit is responsible for organization of many events such as Conferences, Seminars, Workshops, Faculty Development Programs, Research Projects, Research Publications, in-house Publications, Fellowships, Exchange programs, Training & Internship, Student Research & Development, Consultancy, Collaboration and linkages with National & International Institutions and Industries, and more. It will continue its efforts in this direction during plan period by organizing such activities every year.

Incentive for Research Work: The institution promotes and recognizes research related initiatives and achievements of faculty and students through incentives, rewards and recognition. It has been planned to continue providing financial & logistic support to the teachers for writing research proposals and provide seed money/matching grant for such projects.

Other Activities

IE Student Branch: The IE is a 100 years old largest and most professionally managed association of and for IT professionals in India. The Geetanjali IE Student Branch contributes to the development of students in several ways with the support of IE Udaipur Chapter. They provide them an opportunity to meet eminent experts in the field and interact with them at national & International levels. This renders them a platform to showcase and recognize young talent in the arena of Information and Communication Technology. The platform will be used to organize activities for new technologies, skills development, regularly conducting seminars, hands-on workshops and research talks which facilitate the growth of knowledge. The College will continue to provide financial and other support for these activities. The Chapter has received the recognition at the national level for various activities.

Harmony Music and Dance Club: The College sponsored this club in 2013 with objectives to train and promote among the students music, art and culture, with special focus on performing musicians. The club has organized musical activities for enjoyment & charity, arrange performance of artists at various levels and organize music training. It also promotes and supports community's musical organizations, inviting leading artists and help educational institutions to conduct music programs. On all such occasion, the College invites national artists to perform. This activity will be continued during the proposed plan.



Social & Community Activities: The institution has been fulfilling its social commitment to the society and works for the neighborhood. Every year, it has organized activities such as computer training for the local citizens, blood donation camps, tree plantation, swachhata abhiyan, and many more. During 2016-17 the citizens in the neighborhoods were educated in the concept of digital payment, online banking and e-commerce. To meet the social commitment, these activities will be continued during the plan period.

Women Empowerment and Gender Issues: The College is very sensitive to women Empowerment and gender issues. The institution has a women support cell for providing training to the women to be self entrepreneurs. It is also proposed to ensure our participation in the Prime Minister's national programme of *Beti Bachao- Beti Padhao*.

Environmental Issues

Harnessing Natural Resources: It is proposed to make campus self sufficient in terms of energy, water and environment. The rain water is fully harvested and the campus has been developed as a Green Campus through the plantation of large number of trees. The entire energy needs of the buildings will be met using solar power generation system using power saving lights and fans, water treatment plant etc.

Zero Waste Policy: It has been proposed that the total waste generated at the campus will be treated or disposed of keeping the environment safety in view. All organic wastes will be converted into bio-fertilizer. The waste water will be treated for use in the gardening. The e-wastes will be disposed off as per policy of its disposal.

Summary of Recommendations & Plans

2019-20	<ul style="list-style-type: none"> • Recruitment of faculty as per the University Norms • Reorganization of the Departments • Creation of Senior Positions • Organizing of value added/skill Courses • The construction of tennis courts and indoor gym • The construction of Auditorium • Updation of Laboratory • Strengthening of Campus Road Network • Construction of Parking
2020-21	<ul style="list-style-type: none"> • Seeking NBA accreditation • Strengthening of the facilities • Building of faculty guest house • Air Cooling of Hostels
2021-22	<ul style="list-style-type: none"> • Starting new Courses of B.Tech
2022-23	<ul style="list-style-type: none"> • Starting new Courses of M.Tech
2023-24	<ul style="list-style-type: none"> • Construction of Central Library
2024-25	<ul style="list-style-type: none"> • Plan to organize an International Conference • Setting up new CS lab.
2025-26	<ul style="list-style-type: none"> • Starting of New Ph. D. Programme

FINANCIAL PROPOSAL 2018-28

Source of Income		Amount in Rs Lakh
Income from the Fee		
Geetanjali Institute of Technical Studies, Udaipur		15000
Income from Other Sources		150
Bank Loan		0
Total		15150

Proposed Expenditure		
Purpose	Proposed amount in Rs Lakh	
Salary & Wages including new positions	8000	
Procurement equipment for labs including for new courses	500	
Organization of Academic meets, seminar, FDP etc.	100	
Procurement Book & journals and digitization	1000	
Augmenting Computer Facilities	50	
A: Total		
Total		9650
Campus Development & Central Facilities		
Building work: Adm Block, Theatre, Utility centre	3000	
Construction of hostel	100	
Creation of sports Facilities	50	
Campus Development and green campus	50	
Installation of CCTV	20	
Software and AMC of the ERP	25	
Extension and Service Activities	150	
Students Support Study Tours, Placement, Club	100	
Repayment of loan and interest	0	
Miscellaneous	2000	
B: Total		5495
Grand Total (A+B)		15145


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 Geetanjali Institute of Technical Studies
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