



PROSPECTUS

2023



Shri G.S Institute of Technology & Science, Indore

PREFACE

SGSITS, a premier institute of technical education has paved its way over 70 years to achieve Academic Excellence through untiring efforts of its well-recognized faculty members. Today, in this vibrant commercial capital of Madhya Pradesh, it attracts brilliant and top-ranking students at U.G. & P.G. levels from across the country for its 10 Under Graduate and 25 Post Graduate Programs in disciplines which are contemporary, challenging and rewarding.

Our students excel in IES, IAS and qualify GRE, TOFEL, NET and GATE examinations. Large number of students are selected through Campus Interviews. This position has been achieved through industrial interaction, research environment, personality development initiatives, sports, library, and keen interest of students in their studies and participation in activities of professional bodies like IEEE, IE(I), ISTE, IGS, IWRS, ASE, IPA, IHPA, APTI, SAE, IIIE etc.

This prospectus contains information about the various undergraduate and postgraduate programs: their eligibility and admission procedure, evaluation methodology with grading system, and general information about training and placement, hostels, general rules and anti-ragging information. The prospectus also includes brief description of various departments with their specializations and centers. Information about student involvement in various extra-curricular activities along with R & D and Industry interaction is also presented in this prospectus. Towards the end, information regarding institutional and administrative setup is also presented.

Prof. Rakesh Saxena

Director



VISION

A front-line institute in science and technology making significant contributions to human resource development envisaging dynamic needs of the society.

MISSION

To generate experts in science and technology akin to society for its accelerated socioeconomic growth in professional and challenging environment imparting human values.

QUALITY POLICY

To pursue global standards of excellence in all our endeavors namely, teaching, research, consultancy and continuing education and to remain accountable in our core and support functions through processes of self-evaluation and continuous improvement.

CORE VALUES

- Develop human resources to serve the nation
- Recognition of teaching as a unifying activity
- Nurture integrity, creativity and academic freedom
- Retain a willingness to experiment with new paradigm

OBJECTIVES

- To educate and train Under Graduate and Post Graduate level professionals who can become leaders in the field of Engineering and Technology.
- To use torsional and modern instructional techniques and technology to the best advantage in the delivery system so as to enrich students in achieving their education and professional goals.
- To provide educational opportunities to persons already employed or engaged in business, by allowing them to pursue Part-Time Degree without interrupting their careers and without any compromise on the quality of education.

Director's Message

Established in 1952, SGSITS is a Pioneer institute of technical education in the state of MP. It is consistently recognized as a leading institute in the state and the western region of India during its glorious journey of 70 years. Ranked among top 30 institutes on national level by independent bodies, it has always sought to bridge the worlds of the scholar and the industry. All India Council for Technical Education (AICTE) approved and University Grants Commission (UGC), New Delhi, has declared the Institute autonomous in 1989. Under the autonomous status, the institute is affiliated to the Rajiv Gandhi Prodyogiki Vishwavidhyalaya (university of technology of M.P.) Bhopal.



SGSITS has 10 UG programmes (6 NBA Accredited) and 24 PG programmes (3 NBA Accredited) and Ph.D. It is a QIP Centre and Research centre in all the Disciplines. Institute is continuously participating in NIRF and acquired rank. NIRF Score is improving every year. Persistent efforts are being made to improve the quality of education with UG, PG and Ph.D. programs under the emerging areas of Engineering, Technology, Applied Sciences, Computer Applications, Management and Pharmacy. The institute has developed a Centre for innovation, Design and Incubation (CIDI) to support start-ups, projects and upcoming entrepreneurs.

The institute also has a Centre for Remote Sensing & Satellite Technology (CRSST). It strives to soar high with its Remote satellite project. The institute has staff quarters, guest house, boys and girls hostel with playgrounds and all related amenities in its 30 Acre campus.

The Institute received funding from World Bank for IMPACT project during 1990 to 1995 and now it is a TEQIP (Technical Education Quality Improvement Programme) of Government of India funded institute, number of laboratories and development programs are working with the support of World Bank under this project.

S.G.S.I.T.S. aims to impart futuristic technical education and instill high patterns of discipline through the dedicated well qualified Faculty and supporting staff which shall set global standards, thus making students technologically superior and

ethically strong, who in turn shall improve the quality of life of the human race. The Institute is recognized for its commitment to student excellence, nurturing world class engineers, through emphasis on rigorous learning experiences both inside and outside the classroom, including hands-on research and leadership opportunities.

The institute is also catering to the need of students to pursue higher studies, entrepreneurship and start-ups with strong Alumni support. Stellar accomplishments inflate the frontiers of knowledge and erudition every day. In this era of Globalization of education, the apparent focus is on the quality of education. There is no single yardstick of quality. A good educational institution strives continuously for sustenance and enhancement of quality in every field of its activity. I am glad to warmly welcome you to the portico of this enormous institution which is diligently committed to the cause of high quality technical education.

Prof. Rakesh Saxena

Director

CONTENTS

PREFACE

Director's Message

1. ABOUT THE INSTITUTE	1
2. COURSES OFFERED AND THEIR ELIGIBILITY	4
2.1 Undergraduate (UG) Programmes.....	4
2.2 Postgraduate (PG) Programmes.....	8
2.3 Ph. D. Programme.....	15
3. FEE STRUCTURE	16
3.1 B. Tech. and B. Pharm.....	16
3.2 M.E., M. Tech., M. Sc. and M. Pharm.	19
3.3 MCA and MBA (Self Finance Programmes):.....	20
3.4 Ph. D.	21
3.5 Hostel Fees for UG and PG students.....	21
4. EVALUATION METHODOLOGY	23
4.1 Promotion to Higher Semester and Year in B.Tech./ B.Pharm.....	24
4.2 Promotion to Higher Semester and Year in M. Tech. / MCA.....	25
4.3 Promotion to Higher Semester and Year in M.Pharm.	26
4.4 Promotion to Higher Semester and Year in M. Sc / MBA.....	26
4.5 Award of Credits and Grade (common to all course as in 4.1- 4.3).....	27
4.6 Condonation of Deficiency in B.Tech./ B. Pharma.	29
4.7 Condonation of Deficiency in M.Tech./ MCA/ M.Pharm.....	30
4.8 Condonation of Deficiency in M.Sc./ M.B.A.	30
4.9 Award of Division	30
4.10 Duration of Course	31
4.11 Merit List	32
4.12 Attendance	32
4.13 Medium of Instruction and Examination	33
5. SCHOLARSHIPS.....	34
5.1 Post Metric scholarship	34
5.2 Mukhya Mantri Medhavi Vidyarthi Yojna (MMVY).....	34
5.3 Mukhya Mantri Jan Kalyan Yojna (MMJKY).....	35
5.4 PG scholarship	35
5.5 Others Merit Scholarships	36
6. HOSTELS	39

7. GENERAL RULES, CODE OF CONDUCT AND ANTI-RAGGING INFORMATION	42
7.1 General Rules, Code of Conduct.....	42
7.2 Anti-Ragging Information.....	43
8. DEPARTMENTS AND CENTERS	46
8.1 Civil Engineering & Applied Mechanics.....	46
8.2 Mechanical Engineering	51
8.3 Electrical Engineering	53
8.4 Electronics & Telecommunication Engineering.....	55
8.5 Electronics and Instrumentation Engineering	57
8.6 Computer Engineering	59
8.7 Industrial & Production Engineering	60
8.8 Information Technology.....	63
8.9 Biomedical Engineering.....	64
8.10 Management Studies	66
8.11 Pharmacy	67
8.12 Applied Physics and Optoelectronics.....	69
8.13 Applied Chemistry and Chemical Technology	71
8.14 Applied Mathematics and Computational Sciences	72
8.15 Humanities and Social Sciences	72
8.16 Central Library	74
8.17 Central Workshop.....	76
8.18 Computer Center.....	77
9. TRAINING AND PLACEMENT CELL.....	79
10. STUDENT ACTIVITY.....	87
10.1 Professional Student Club Activities.....	87
10.2 Cultural and Literary Activities	88
10.3 Games & Sports.....	93
10.4 NCC	97
11. R&D AND INDUSTRY INTERACTION	104
APPENDIX A: INSTITUIONAL & ADMINISTRATIVE SETUP.....	106
APPENDIX B: TEACHING AND NON-TEACHING STAFF (DEPARTMENT WISE)	110
APPENDIX C: LIST OF STAFFS IN OTHER DEPARTMENTS.....	122

1. ABOUT THE INSTITUTE

Shri G. S. Institute of Technology and Science (SGSITS), Indore, was established in 1952 as a technical institute offering licentiate and diploma courses in engineering and was known as “Shri Govindram Seksaria Kala Bhavan”. This Institute came into being as a result of the keen desire expressed by the then Prime Minister Pt. Jawaharlal Nehru to a group of leading Industrialists of the town for establishment of a Technical Institute. An eminent Industrialist of the town, Seth Shri Kudilalji Seksaria, responded by generously donating the initial amount for starting the Institution in the name of his father late Seth Shri Govindram Seksaria. In 1956, it was converted into a Degree college with the course in Civil Engineering and its name was changed to Shri G. S. Technological Institute, Indore. Subsequently, with the introduction of M.Sc. courses in Applied Sciences, the name of the Institute was changed to its present name to reflect the broad new perspective.



SGSITS is recognized as a leading institute in the state of Madhya Pradesh and the western region consistently during its glorious journey of 69 years. It is ranked under NIRF ranking by Government of India.

Further looking to its credentials, All India Council for Technical Education (AICTE) and University Grants Commission (UGC), New Delhi declared the Institute

as autonomous in 1989. Under the autonomous status, the Institute conducts its own examination and recommends the names of the students to the university for the award of degree. From the session 2000-2001 the Institute is affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya (University of Technology of M.P.) Bhopal. Earlier it was affiliated to Devi Ahilya Vishwavidyalaya, Indore. Persistent efforts are underway to achieve the DEEMED UNIVERSITY status for the Institute.



Presently, the Institute offers 10 UG courses (Regular), PG programs with 24 specializations in various disciplines under the emerging areas of Engineering, Technology, Applied Sciences, Computer Applications, Management and Pharmacy. The present intake is 870 in B.Tech. and 60 in B. Pharm., and 495 at PG level with a total strength of students exceeding 3500 at UG level and 600 at PG level, and about 50 PhD scholars. Every year approximately 10 students from different states of the country are also nominated by the Govt. of India for admission to this Institute. The current faculty strength is 212 which include 36 Professors, 30 Associate Professors and 146 Assistant Professors. The Institute has well qualified faculty members with most of Professors and Associate Professors have Ph. D. degree. The strength of administrative and other supporting staff is about 335. The total land area of the Institute is 35 acres while the building area is 37,687 square meters.

Teaching and related activities of the Institute are performed by various departments, centers, and cells of the Institute. The departments are: Civil Engineering and Applied Mechanics, Mechanical Engineering, Electrical Engineering, Electronics and Telecommunication Engineering, Electronics and Instrumentation Engineering, Industrial and Production Engineering, Computer Engineering, Information

Technology, Bio-Medical Engineering, MCA, Management Studies, Pharmacy, Applied Physics, Applied Chemistry and Applied Mathematics and Computational Sciences. Various Centers and Cells include Computer center, Centre for Continuing Education Program, Training and Placement Cell, Central Workshop and Language Laboratory, and Industry Institute Partnership Cell, Center for Innovation design and Incubation (CIDI).

Apart from spacious classrooms and well equipped laboratories, the campus of the Institute encompasses 4 boys hostels with a capacity of about 540 occupants, two girls hostel with a capacity of 350 students, one transit hostel with 24 suits, 44 faculty quarters and 12 staff quarters. Institute has central library which has rich collection of books, reference library and a large number of online and print journals. In addition Institute also houses various amenities such as Play Ground, Gymnasium with modern equipments, Indoor sports complex, Guest House, Branch of Punjab National Bank, Office of Institution of Engineers, Photocopy and General Stores, Canteen, Dispensary, and Office of SGSITS Alumni Association.

2. COURSES OFFERED AND THEIR ELIGIBILITY

2.1 Undergraduate (UG) Programmes

Bachelor of Technology (B. Tech.) & Bachelor of Pharmacy (B. Pharm.)

The Institute offers four years (8 semesters) Bachelor of Technology (B.Tech.) programs in the various discipline and Bachelor of Pharmacy (B.Pharm.) program. The details with sanctioned intake are present in Table 2.1.

Table 2.1: Sanctioned Seats of B.Tech. / B. Pharma.

Course	Intake	Eligibility Criteria
B.Tech. Bio Medical Engineering	60	JEE Mains
B.Tech. Civil Engineering	90	JEE Mains
B.Tech. Computer Science and Engineering	120	JEE Mains
B.Tech. Electronics & Telecommunication Engineering	90	JEE Mains
B.Tech. Electrical Engineering	90	JEE Mains
B.Tech. Electronics & Instrumentation Engineering	90	JEE Mains
B.Tech. Industrial and Production Engineering	90	JEE Mains
B.Tech. Information Technology	120	JEE Mains
B.Tech. Mechanical Engineering	90	JEE Mains
B. Pharmacy	60	12 th Basis

Indian Language Course (Hindi)

B.Tech. Bio Medical Engineering	30	JEE Mains
---------------------------------	----	-----------

Please note reservation as per MP Govt. rules apply (SC 16%, ST 20% and OBC 14%). Additional quota and supernumerary seats for B. Tech./ B. Pharma. programs are mentioned in Table 2.2 and Table 2.3 respectively. Horizontal reservation is available for persons with disabilities, sainik, freedom fighter, NCC, and technical stream candidates, and compartmentalized reservation for female candidates.

The counselling process for admission to these programs are conducted by Directorate of Technical Education M.P. Bhopal. The admission to B.Tech. Programs are offered to candidates based on their rank in JEE Main Exam. The admission in B. Pharm. program is offered on merit based on qualifying examination score.

Candidates seeking admission are requested to visit counseling website of Directorate of Technical Education (DTE), Bhopal for counselling schedule, application process and other details.

<https://dte.mponline.gov.in>

The details about rules and regulations, essential qualifications, seats distribution, reservation rules and various formats of certificates are available on DTE website for the respective courses. Candidates are requested to follow the guidelines for admission procedure and latest information available on website.

Table 2.2: NRI Quota in B.Tech. programs

Seats	Quota	Eligibility Criteria
NRI	5%	Refer DTE website for details

Table 2.3: Supernumerary (over and above) seats B. Tech. and B. Pharma.

Seats	Quota	Remarks
EWS*	10%	As per DTE/ AICTE
Lateral entry**	10%	As per DTE/ AICTE
Tuition Fee Waiver (TFW) Scheme	5%	As per DTE/ AICTE
PIO/ FN/ Gulf/ OCI	15%	As per DTE/ AICTE
Nominees from other states	-	GOI seats, Direct through DTE/ CSAB-NEUT
National Bravery Award (Comp. Engg. only)	01	GOI seats, Direct through DTE
J&K Migrants	01	As per DTE/ PMSS

* The 10% EWS is enhanced as per the directives of Govt. of India without disturbing the existing reservation percentage being followed already. This leads to correction in the intake to 1.25 times of the existing intake of respective category

**Admission in 2nd Year of B.Tech./ B.Pharma. Programme

2.1.1 Eligibility for B.Tech./ B. Pharma. courses under various categories

1. **Educational Qualification for B.Tech.:** Higher Secondary School Certificate Examination, (10+2) scheme, with Physics and Mathematics as main subjects and one subject from Chemistry/ Biotechnology/ Biology/ Technical Vocational subject/ Computer Science/ Information Technology/ Informatics Practices/ Agriculture/ Engineering Graphics/ Business Studies conducted by M.P. Board of Secondary Education or an equivalent examination from a recognized Board/ University. (also securing minimum marks in these three subjects as per rule)

Educational Qualification for B.Pharm: Higher Secondary School Certificate Examination, (10+2) scheme, with Physics and Chemistry as main subjects along with Mathematics/ Biology conducted by M.P. Board of Secondary Education or an equivalent examination from a recognized Board/ University.

2. Candidates who have qualified the Diploma course in engineering and technology from M.P. Board of Technical Education, Bhopal or equivalent shall also be eligible for admission to first year of B.Tech. courses through online off campus counseling conducted by DTE Bhopal

3. Non-Resident Indian (NRI) candidates shall also be eligible for admission to B.Tech. in accordance with directives of the Government of Madhya Pradesh, provided they satisfy the eligibility criterion through centralized counselling by competent authority.

4. The admission to B.Tech. courses shall be governed by the rules of the Directorate of Technical Education, Government of Madhya Pradesh Bhopal.

2.1.2 Admission process for B.Tech / B. Pharm. courses:

Online Off-campus Admission Procedure: In case the decision to conduct online offcampus counseling for a particular course is taken by the State Government, then the competent authority declared by the State Government for this purpose, shall finalize the detailed program and shall make it available on its website declaring its procedure, process of admission and cut off dates. Procedure of Online-Offcampus Counseling will be followed as per the regulation published in MP Government Gazette dated 2008 (As amended).

2.1.3 Admission against Non Resident Indian Seats (Subjected to approval)

1. Subjected to approval of AICTE, New Delhi, 5% seats of total intake capacity are reserved for NRI. Admission against these seats will be carried out as per the regulation published in MP Government Gazette dated 19th May, 2011 for admission against NRI seats "Admission (Reservation to non-resident Indian in AICTE Approved Courses) Regulations, 2011."

2. Conversion of vacant non - resident Indian seats: Vacant non-resident Indian seats i.e. unfilled non-resident Indian seats shall be merged into the category of M.P. domicile candidate seats by competent authority and these seats shall be filled by competent authority as per the procedure for filling M P domicile candidate seats.

2.1.4 Eligibility and counseling process for admission in second year (lateral entry) for Diploma pass students

1. As per the guidelines prescribed by AICTE and State Government.

2. For admission in a degree programme in Engineering at the second year (third semester) level, a Candidate must have passed a regular three year engineering diploma programme examination in ANY branch of Engineering/ Technology from an Institute/ University recognized by AICTE/UGC or from a foreign University recognized by Association of Indian Universities (AIU) or institute recognized by the concerned University as equivalent thereto, with minimum marks of 45 percent; OR Candidate must have passed B.Sc. degree examination from a university recognized by the university grants commission with minimum 45 percent marks and have passed 10+2 examination with mathematics as a subject.

3. For admission in a degree programme in Pharmacy at the second year (third semester) level, a candidate must have passed a regular two year diploma programme examination in pharmacy from an institution approved by an Institute/ University recognized by AICTE/ UGC or from a foreign University recognized by Association of Indian Universities (AIU) or institute recognized by the concerned University as equivalent thereto, with minimum 45 percent marks.

4. Maximum 10 percent seats over and above the sanctioned intake (supernumerary) of previous academic year shall be available for admission through lateral entry scheme. These seats shall be available for MP domicile candidates only.

5. The admission process conducted by Directorate of Technical Education Bhopal according to the provisions of Admission Rules, 2008 (amended from time to time)

2.1.5 Cancellation of Admission:

If a candidate gets his/her admission cancelled prior to 7 days before the last date of admission (as declared by competent authority), then the amount paid by candidate as admission fee will be refunded back after deducting 10% from the deposited amount. Only caution money shall be refunded to the candidates who cancel admission after this period.

2.2 Postgraduate (PG) Programmes

2.2.1 Master of Engineering/ Technology/ (M.E/ M.Tech.)

The list of the courses available with specializations are given in Table 2.4. The counselling process for admission to M.E/ M.Tech. programs is conducted online by Directorate of Technical Education (DTE) M.P. Bhopal. The eligibility criteria for admission is as under:

A. Eligibility Criteria

Graduate in relevant field of engineering/ technology as mentioned against each course/ specialization in Table-4 with at least 50% aggregate marks. Candidate belonging to SC/ST/OBC (excluding creamy layer) categories of Madhya Pradesh with at least 45% marks. For latest information or any change in eligibility criteria, counselling schedule,

application process and other details, Candidates must visit counseling website of Directorate of Technical Education (DTE), Government of M.P. frequently to observe & note latest notices & changes.

<https://dte.mponline.gov.in>

First Round of Counselling shall be done on the basis of Valid GATE Score. If seats remain vacant then the decision regarding holding of second round of counselling either separately on the basis of marks obtained in the entrance test and/ or simultaneously with the counselling on the basis of percentage of marks obtained (As per the criteria for Award of degree by University/Institution) in the qualifying examination shall be taken by the competent authority (DTE Bhopal) ME/ M.Tech. Courses Candidates shall have to complete all the necessary process/steps of the online counselling.

B. Duration of all courses:

REGULAR (FT) - 2 Years (4 Semesters)

C. Number of seats available

Number of seats available in each course/ specialization are given in Table 2.4. GATE qualified (Non Sponsored) candidates shall be eligible to get scholarship. Details are available in Section 5.

D. Allocation/ Reservation of seats:

16%, 20% and 14% seats of sanctioned intake shall be reserved for the candidates belonging to SC, ST and OBC (excluding creamy layer) categories respectively as notified by the state government of Madhya Pradesh in this regard. SC/ST/OBC Candidates belonging to other states (Not having Domicile of Madhya Pradesh) shall be considered in Unreserved Category. A candidate, claiming reservation under a reserved category shall have to produce relevant certificate/ certificates in proforma prescribed by the Government of MP (Formats are available in Rule book for ME/M Tech. Courses on DTE Website)

2.2.2 Master of Pharmacy (M.Pharm.)

List of the Courses available with Specializations and number of seats are given in Table 2.4. The counselling process for admission to M.Pharm. programs is conducted online by Directorate of Technical Education (DTE) M.P. Bhopal. The eligibility criteria for admission is as under:

A. Eligibility Criteria:

Graduate in Pharmacy with minimum 55% marks. Candidate belonging to SC/ST/OBC (excluding creamy layer) categories of Madhya Pradesh with at least 50% marks. The course should be approved by AICTE and Pharmacy Council of India (PCI). For latest information or any change in eligibility criteria, counselling schedule, application process and other details, Candidates are requested to visit counseling website of Directorate of Technical Education (DTE), Government of M.P.

<https://dte.mponline.gov.in>

First Round of Counselling shall be done on the basis of Valid GPAT Score. If seats remain vacant then the decision regarding holding of second round of counselling either separately on the basis of marks obtained in the entrance test and/or simultaneously with the counselling on the basis of percentage of marks obtained (As per the criteria for Award of degree by University/Institution) in the qualifying examination shall be taken by the competent authority. M.Pharm. Courses Candidates shall have to complete all the necessary process/ steps of the online counselling.

B. Duration of courses:

Duration of all courses: 2 Years (4 Semesters)

C. Allocation/ Reservation of seats:

For details about reservation of seats refer para 2.2.1 (D).

2.2.3 MASTER OF SCIENCE (M. Sc.)

Admission to M.Sc. courses are given in Regular (Non Sponsored) category (Without Scholarship).

A. Eligibility Criteria:

B.Sc. degree (10+2+3 Stream) in appropriate discipline with minimum 45% marks.

B. Duration of courses: 2 years (4 Semesters)

C. No. of seats available:

Number of seats available in each course given in Table 2.5.

D. Selection Criteria:

As per the merit based on Written Test/ Graduation Marks. Written Test will consist of objective type/ short answer type questions based on the unified B.Sc. syllabi of the corresponding subject. For latest information about schedule and admission process visit institute website regularly.

The commencement of the classes for all P.G courses (M. Tech. /M. Pharm. /M. Sc.) will be announced on the website Please note that M.Sc. Courses are affiliated to Devi Ahilya Vishwavidyalaya, Indore. The Institute reserves the right to admit less no. of candidates than the approved seats, depending upon infrastructure and facilities available for running any particular course.

TABLE 2.4: PG PROGRAMMES & SEATS

**I. Master of Engineering/ Master of Technology/ Master of Pharmacy
(M.E./ M.Tech./ M.Pharm.) Full Time (FT)**

S. No.	Department	Course/ Specialization	For Eligibility, (Qualifying Degree)	Intake
1	Applied Physics & Optoelectronics	Quantum Computing	B.E./ B.Tech. (Electronics/ Electronics & Communication/ Electronics & Instrumentation/ Electrical & Electronics/ Engineering Physics) Engg. OR M.Sc. (Physics/ Applied Physics/ Photonics/ Electronics/ Instrumentation/ Material science) OR any other equivalent degree	12
2	Biomedical Engineering	Biomedical Signal Processing and Instrumentation	B.E./ B.Tech. (Bio-Medical/ Electrical/ Electrical & Electronics / Electronics & Telecommunication/ Electronics & Instrumentation/ Electronics & Communication/ Electronics/ Instrumentation/ Instrumentation & Control/ Power Electronics/ Industrial Electronics)	12
3	Civil Engineering & Applied Mechanics	Environmental Engineering	B.E./ B.Tech. (Civil / Chemical Engineering)	12
4		Structural Engineering	B.E./ B.Tech. (Civil Engineering)	18
5		Transportation Engineering	B.E./ B.Tech. (Civil Engineering)	12
6		Water Resources & Environmental Engineering	B.E./ B.Tech. (Civil Engineering)	12
7	Computer Engineering	Computer Engineering	B.E. / B.Tech. (Computer Engineering, Computer Science & Engineering, Computer Technology, Computer Science, Computer Science & Applications, Information Technology) OR B.E./ B.Tech. in any specialization of Computers/ Information Technology as approved by AICTE	18
8	Information Technology	Information Technology	B.E. / B.Tech. (Computer Engineering/ Computer Science & Engineering/ Information Technology/ Electronics & Telecommunication/ Electronics & Communication/ Electronics) OR MCA	12
9	Electrical Engineering	Power Electronics	B.E. / B.Tech. (Electrical / Electrical & Electronics Engineering)	12
10		Power System and Control	B.E. / B.Tech. (Electrical / Electrical & Electronics Engineering/ Power Electronics/ Electronics & Power System)	12

S. No.	Department	Course/ Specialization	For Eligibility, (Qualifying Degree)	Intake
11	Electronics & Instrumentation Engineering	Micro-Electronics & VLSI Design	B.E. / B.Tech. (Electronics & Comm. Engg/ Electronics & Instrumentation Engg/ Electronics Engg/ Electronics & Telecommunication Engg./ Electrical & Electronics Engg./ Instrumentation & Control Engg./ Instrumentation Engg./ Biomedical Engg.)	18
12	Electronics.& Tele-communication Engineering	Electronics & Communications Engineering	B.E./ B.Tech (Electronics & Telecommunication / Electronics & communication)	12
13	Industrial and Production Engineering	Industrial Engineering & Management	Any Branch of Engineering	12
14		Manufacturing Engineering	B.E./ B.Tech (Industrial & Production / Mechanical / Metallurgy / Automobile / Industrial Engineering)	18
15	Mechanical Engineering	CAD/CAM/CAE	B.E./ B.Tech (Mechanical Engineering)	18
16		Mechanical Engineering Design	B.E./ B.Tech (Aerospace/ Aeronautical/ Automobile/ Metallurgy/ Mechanical/ Mechatronics/ Production/ Industrial & Production Engineering)	18
17		Thermal Engineering	B.E./ B.Tech. (Aerospace/ Aeronautical/ Automobile/ Mechanical Engineering)	18
18	Pharmacy	Industrial Pharmacy	B. Pharm.	15
19		Pharmaceutical Chemistry	B. Pharm.	15

TABLE 2.5: Master of Science (M. Sc.) (FT)

S. No.	Department	Course/ Specialization	Eligibility (Graduation in)	Intake
1.	Applied Physics and Optoelectronics	M.Sc. Applied Physics	Appropriate Subjects	13
2.	Applied Chemistry	M.Sc. Applied Chemistry	Appropriate Subjects	13
3.	Applied Mathematics and Computational Sciences	M.Sc. Applied Maths. (Computer Science)	Appropriate Subjects	13

2.2.4 M.C.A PROGRAMME

SGSITS offers Two years, Master of Computer Application (MCA) program with intake of 60 seats. The counselling process for admission to this program is conducted by Directorate of Technical Education M.P. Bhopal. Candidates seeking admission are requested to visit counseling website for counselling schedule, application process and other details.

<https://dte.mponline.gov.in>

TABLE 2.6: Master of Computer Application (MCA)

S. No.	Department	Course/ Specialization	Eligibility	Intake
1	MCA	Master Of Computer Applications	BCA or Bachelor Degree in Computer Science Engineering or equivalent Degree OR Passed B.Sc./ B.Com/ B.A. with Mathematics at (10+2) level or at Graduation level	120

2.2.5 M.B.A. PROGRAMME

M.B.A. core course with dual specialization in Financial Management, Marketing Management, Human Resource Management and Operations Management has started from 2012 session onwards with intake of 60 seats. The counselling process for admission to this program is conducted by Directorate of Technical Education M.P. Bhopal. Candidates seeking admission are requested to visit counseling website for counselling schedule, application process and other details.

<https://dte.mponline.gov.in>

TABLE 2.7: MBA

S. No.	Department	Course/ Specialization	Eligibility	Intake
1	Department of Management Studies (DOMS)	MBA	Graduation degree in any discipline	60
2	Department of Management Studies (DOMS)	MBA (Hospital Administration)		30

2.2.6 Cancellation of Admission:

If a candidate gets his/her admission cancelled prior to 7 days before the last date of admission, then the amount paid by candidate as admission fee will be refunded back after deducting 10% from the deposited amount. Only caution money shall be refunded to the candidates who cancel admission after this period.

2.3 Ph. D. Programme

Admission to Ph. D. Programmes in various Branches of Engineering, Applied Sciences, Pharmacy and Management is offered by the Institute. SGSITS is recognized as research center by RGPV Bhopal for engineering and pharmacy disciplines and DAVV Indore for Applied Sciences and Management. For admission procedure and schedule please refer respective universities websites.

3. FEE STRUCTURE

Except for those students admitted under Tuition Fees Waiver (TFW) Scheme every student, on admission is liable to pay full tuition fee for first semester irrespective of date of his/her admission or the date of his/her leaving the college, however 90% of total fees submitted at the time of admission in the institute may be refunded if admission is withdrawn at least seven days prior to the last date of admission (as declared by competent authority) in the respective course.

3.1 B. Tech. and B. Pharma.

The fees of various B.Tech. Regular courses and B. Pharmacy are presented in Table 3.1, 3.2 and 3.3. Please note that these fees are **likely to be revised**.

Table 3.1: Semesterwise Fee Structure (2023-24)
B.Tech.- CE/ EE/ IP/ CS/ EC/ ME/ EI

Fees Particulars	First Year		Second Year		Third Year		Fourth Year	
	1st Sem.	2nd Sem.	3rd Sem.	4th Sem.	5th Sem.	6th Sem.	7th Sem.	8th Sem.
(A) Fees per Semester								
Tuition Fee	33,500	33,500	33,500	33,500	33,500	33,500	33,500	33,500
Misc. Fees Instt.	12,975	11,875	11,875	11,875	11,875	11,875	11,875	11,875
Exam. Fee	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750
University (RGPV) Fee	275	275	275	275	275	275	275	275
(B) Fee deposited once at the time of admission								
University Enroll. Fee	650	-	-	-	-	-	-	-
Misc Forms & Certificates (w.e.f. 2021)	500	-	-	-	-	-	-	-
Caution Money (Refundable)	5,000	-	-	-	-	-	-	-
(C) Migration & Provisional Certificate (RGPV) Fees								400
Total Amount Rs.	56,650	49,400	49,400	49,400	49,400	49,400	49,400	49,800

Note

- उपरोक्त शुल्क पूर्ण वर्ष के लिए एक बार में देय है परन्तु पालकों की सुविधा हेतु इसे दो किस्तों में सेमेस्टर वाइस लिया जाता है। यदि कोई विद्यार्थी वर्ष के बीच में संस्थान छोड़ता है तो उसे पूरे वर्ष का शुल्क भुगतान करना होगा।
- उपरोक्त शिक्षण शुल्क 67,000/- रूपये बढ़ाते हुए 95,000/- रूपये किया जाना शासन के समक्ष प्रस्तावित है एवं राज्य शासन द्वारा पारित किये जाने पर बढ़ा हुआ शुल्क 95,000/- रूपये भुगतान करना होगा।

Table 3.2: Semesterwise Fee Structure (2023-24)**B.Tech.- Information Technology (IT)/ Biomedical Engg. (BM)/ BEIL**

Fees Particulars	First Year		Second Year		Third Year		Fourth Year	
	1st Sem.	2nd Sem.	3rd Sem.	4th Sem.	5th Sem.	6th Sem.	7th Sem.	8th Sem.
(A) Fees per Semester								
Tuition Fee	47,500	47,500	47,500	47,500	47,500	47,500	47,500	47,500
Misc. Fees Instt.	12,975	11,875	11,875	11,875	11,875	11,875	11,875	11,875
Examination Fee	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750
University (RGPV) Fee	275	275	275	275	275	275	275	275
(B) Fee deposited once at the time of admission								
University Enroll. Fee	650	-	-	-	-	-	-	-
Misc Forms & Certificates (w.e.f.2021)	500	-	-	-	-	-	-	-
Caution Money (Refundable)	5,000	-	-	-	-	-	-	-
(C) Migration & Provisional Certificate (RGPV) Fees								400
Total Amount Rs.	70,650	63,400	63,400	63,400	63,400	63,400	63,400	63,800

*Self-Finance Course

Note

- उपरोक्त शुल्क पूर्ण वर्ष के लिए एक बार में देय है परन्तु पालकों की सुविधा हेतु इसे दो किस्तों में सेमेस्टर वाइस लिया जाता है। यदि कोई विद्यार्थी वर्ष के बीच में संस्थान छोड़ता है तो उसे पूरे वर्ष का शुल्क भुगतान करना होगा।

Table 3.3: Semesterwise Fee Structure (2023-24)**B.Pharmacy**

Fees Particulars	First Year		Second Year		Third Year		Fourth Year	
	1st Sem.	2nd Sem.	3rd Sem.	4th Sem.	5th Sem.	6th Sem.	7th Sem.	8th Sem.
(A) Fees per Semester								
Tuition Fee	33,500	33,500	33,500	33,500	33,500	33,500	33,500	33,500
Misc. Fees Instt.	12,975	11,875	11,875	11,875	11,875	11,875	11,875	11,875
Exam. Fee	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750
University (RGPV) Fee	275	275	275	275	275	275	275	275
(B) Fee deposited once at the time of admission								
University Enroll. Fee	650	-	-	-	-	-	-	-
Misc Forms & Certificates (w.e.f. 2021)	500	-	-	-	-	-	-	-
Caution Money (Refundable)	5,000	-	-	-	-	-	-	-
(C) Migration & Provisional Certificate (RGPV) Fees								400
Total Amount Rs.	56,650	49,400	49,400	49,400	49,400	49,400	49,400	49,800

Note

- उपरोक्त शुल्क पूर्ण वर्ष के लिए एक बार में देय है परन्तु पालकों की सुविधा हेतु इसे दो किस्तों में सेमेस्टर वाइस लिया जाता है। यदि कोई विद्यार्थी वर्ष के बीच में संस्थान छोड़ता है तो उसे पूरे वर्ष का शुल्क भुगतान करना होगा।
- उपरोक्त शिक्षण शुल्क 67,000/- रुपये बढ़ाते हुए 95,000/- रुपये किया जाना शासन के समक्ष प्रस्तावित है एवं राज्य शासन द्वारा पारित किये जाने पर बढ़ा हुआ शुल्क 95,000/- रुपये भुगतान करना होगा।

Note:

- (1) For NRI candidates: Tuition Fee - US \$ 2000 per annum, Institute development fees - \$1000 per annum and other fees - Rs 11,300 per annum, Caution Money: US \$1500 (once and refundable).
- (2) Under TFW Scheme: Tuition fees will not be charged from all students admitted under Tuition Fee Wavier (TFW) Scheme, however all other fees will be applicable.

3.2 M. Tech./ M.Pharm/ MCA and M. Sc.

The fees of various M. Tech. / M.Pharm. / MCA and M. Sc. courses are presented in Table 3.4 and 3.5. Please note that these fees are likely to be revised.

Table 3.4: Fees of M. Tech./ M.Pharm./ M.C.A. (Self finance) 2023-24

Sr. No.	Particulars	First Year I Sem.	First Year II Sem.	Second Year III Sem.	Second Year IV Sem.
1	Tuition Fee	37500	37500	37500	37500
2	Miscellaneous Fee	4175	4175	4175	4175
3	Institute Development Fee (Lab & Infrastructure)	5000	5000	5000	5000
4	Incidental Charges	5000	5000	5000	5000
5	Examination Fee	3750	3750	3750	3750
6	Building Development Fund	3750	3750	3750	3750
7	University Miscellaneous Fee (RGPV)	550	-	550	-
8	Eligibility and Immigration Fee (out of M.P.)	550	-	-	-
9	Miscellaneous Forms and Certificate Fee	500	-	-	-
10	Caution Money	5000	-	-	-
11	University Enrollment Fee				
	1. Degree from M.P.	150	-	-	-
	2. Degree from outside M.P.	650			
12	Prospectus Fee	100	-	-	-
13	Parking Stand Fee	200	200	200	200
14	Exam Dev. Fee	1000			
15	Provisional & Migration Fee				400
	Total (Degree from M.P.)	66,675	59,375	59,925	59,775
	Total (Degree from out of M.P.)	67,725	59,375	59,925	59,775
	Total payable amount Degree from M.P. after less amount deposited by the student in DTE	65,675			
	Total payable amount Degree from out of M.P. after less amount deposited by the student in DTE (Rs1000)	66,675			

Table 3.5: Fees of M. Sc. (Applied Science) (Self finance) 2023-24

Sr. No.	Particulars	First Year I Sem.	First Year II Sem.	Second Year III Sem.	Second Year IV Sem.
1.	Tuition Fee	10000	10000	10000	10000
2.	Miscellaneous Fee	4175	4175	4175	4175
3.	Institute Development Fee (Lab & Infrastructure)	3750	3750	3750	3750
4.	Examination Fee	3750	3750	3750	3750
5.	Building Development Fund	3750	3750	3750	3750
6.	University Miscellaneous Fee (DAVV)	165	-	165	-
7.	Caution Money	5000	-	-	-
8.	Miscellaneous Forms and Certificate Fee	500	-	-	-
9.	University Enrollment Fee for DAVV (Online apply)	-	-	-	-
10.	Prospectus Fee	100	-	-	-
11.	Parking Stand Fee	200	200	200	200
12.	Exam Dev. Fee	1000	-	-	-
	Total	32390	25625	25790	25625

3.3 MBA

The fees of MBA course is as per following Table 3.6

Table 3.6 Fees of M. B. A. courses Session 2023-24

S. No.	Details	First Year I Sem.	First Year II Sem.	Second Year III Sem.	Second Year IV Sem.
1	Tuition Fee	37500	37500	37500	37500
2	Instt. Dev. Fee	5000	5000	5000	5000
3	Incidental Charges	5000	5000	5000	5000
4	Instt. Misc. Fee	4175	4175	4175	4175
5	Exam Fee	3750	3750	3750	3750
6	Building Development Fund	3750	3750	3750	3750
7	Miscellaneous Forms and Certificate Fee	500	-	-	-
8	Exam Dev. Fee	1000	-	-	-

9	Prospectus Fee	100	-	-	-
10	Parking Stand Fee	200	200	200	200
11	Caution Money (Refundable)	5000	-	-	-
12	DAVV Misc. Fee.	165	-	165	-
13	DAVV Enroll. Fees	-	-	-	-
Total		66140	59375	59540	59375
Total payable amount after less amount deposited by the student in DTE (Rs1000)		1,000	-	-	-
Fee payable		65,140			

3.4 Ph. D.

The fee of Ph D programme is as per Table No. 3.7.

Table 3.7: Fee details Ph D programme

S. No.	Details	Period	For DST/ AICTE/ CSIR/ MPCST and similar scholars	For other teacher & non teacher scholars
1	Caution Money	Refundable	5000	5000
2	Tuition Fees & Instt. Misc. Fee	Per Sem.	19,250	26,750
3	Exam Dev. Fee and Prospectus Fee	Once	1100	1100
4	University Fee	Once	550	550
5	Exam. Fee (Coursework)	Once	2500	2500
		Total	28,400	35,900

3.5 Hostel Fees for UG and PG students

At the time of admission to the Boys/ Girls Hostel every student is required to pay-

Hostel Caution Money : Rs 4,000/- (once and refundable).

Mess charges : Rs 15,000/- per semester (Boys Hostel)

Mess charges : Rs 14,400/- per semester (Girls Hostel)

Table 3.8: Hostel Fee details (Per Semester)

Sr. No.	Details	Amount
1	Registration fee	200
2	Rent per student	4800
3	Electricity Charges	3300
4	Water Charges	900
5	Electrical maintenance charges	700
6	Security and cleaning charges	1400
7	Furniture and civil maintenance	600
8	Internet maintenance charges	600
Total Charges (Per semester)		12,500

4. EVALUATION METHODOLOGY

Under academic autonomy the exams are conducted by the institute, however the evaluation and result preparation is carried out as per the ordinances of the affiliating university Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV), Bhopal and the provisions approved in Academic Council time to time. For detailed information students are advised to read the ordinances available at RGPV website and the minutes of Academic Council uploaded on Institute's website, as applicable to them.

In addition, the summary of different rules and regulations is also available in this prospectus.

Table 4.1: List of Applicable Ordinances for Evaluation

Sr. No.	Ordinance 30: Grading system
1	Ordinance No.4 (C) & 4 (D): B.Tech
2	Ordinance No.7 (C): B. Pharm.
3	Ordinance No.8 (A): M. Tech.
4	Ordinance No.10 (A): MCA
5	Ordinance No.19 (A):M. Pharm.
6	Ordinance No. 11: Ph.D.
7	Ordinance No. 31 (Re-revised): M.Sc./ MBA (Devi Ahilya University, Indore)

Salient features

1. The studies and examinations of these courses shall be based on Marks-Cum-credit system, but semester wise and final evaluation shall be carried out by grading system in accordance with the ordinance No. 30, "Credit Based Grading System".
2. The admissions to courses shall be governed by the rules of the technical education and training department Government of Madhya Pradesh Bhopal and/ or any other competent authority of the state Government of Madhya Pradesh.
3. A student shall be continuously evaluated for his / her academic performance in a subject through tutorial work, practical, home assignment, mid- semester test, field work, seminars, quizzes, end semester examinations and regularity, as proposed by respective Board of Studies and approved by Academic Council.

4.1 Promotion to Higher Semester and Year in B.Tech./ B.Pharm.

A candidate who has been admitted in the course will be promoted to the higher class in accordance with the following rules:

1. A candidate who has taken admission in A-B Group and has appeared in the examination of odd semester of a particular year, will automatically be promoted to even semester of that year irrespective of failing in any number of subjects of previous semester.
2. A candidate who has taken admission in even semester under B-A Group and has appeared in the examination of even semester, will automatically be promoted to next applicable odd semester irrespective of failing in any number of subjects of previous semester.

Note: The candidate who seeks admission in odd semester of an academic year is said to be in A-B group, while, a candidate who seeks admission in even semester of an academic year is said to be in B-A group. i.e. a Candidate of A-B Group will take admission generally in July; whereas, candidate of B-A Group will take admission generally in January in the relevant academic year.

3. For the award of degree minimum Cumulative Grade Point Average (CGPA) required is 5.0.
4. To pass a particular subject of the course the minimum required grade is D. However, the candidate should also separately score minimum of grade D in end semester examinations of theory and practical parts of the subject. For practical examinations one external examiner from outside the institute shall always be there.
5. A candidate who fails to score minimum of grade D in **more than five** subjects (Theory and Practical of the same subject shall be treated as two subjects) in a particular year, shall not be admitted to the next higher year.
6. Further, a candidate shall not be admitted in the fifth or higher semester classes unless he/she has fully passed the first year examination with minimum of CGPA of 5.0. Likewise a candidate shall not be admitted in seventh or higher semester classes unless he/she has fully passed first and second year examinations with minimum CGPA of 5.0.

7. If a candidate has passed all the subjects of an applicable year but has failed to score a minimum CGPA of 5.0 as per the requirement of rule 3 and 5 above, such a candidate shall be permitted to improve requisite grade point by reappearing in maximum of three theory /practical subjects, in the ensuing examination (theory and practical of a subject shall be treated as separate subjects.)
8. Other than the provision of rule 7 above, a candidate shall not be permitted to reappear in that examination, for improvement of division/marks or for any other purpose.

4.2 Promotion to Higher Semester and Year in M. Tech. / MCA

A candidate who has been admitted in the course will be promoted to the higher class in accordance with the following rules:

1. For the award of degree minimum Cumulative Grade Point Average (CGPA) required is 5.0.
2. To pass a particular subject of the course the minimum required grade is D. However, the candidate should also separately score minimum of grade D in end semester examinations of theory and practical parts of the subject. Every semester there is one Comprehensive Viva with no credits to be conducted for all the subjects of concerned semester.
3. A candidate who fails to score minimum of grade D in more than two subjects (Theory and Practical of the same subject shall be treated as two subjects) in a particular year, shall not be admitted to the next higher year.
4. The result of final semester shall be declared only if the candidates has fully cleared all the previous semesters.
5. If a candidate has passed all the subjects of the course but has failed to score a minimum CGPA of 5.0 as per the requirement of rule 1 above, such a candidate shall be permitted to improve requisite grade point by reappearing in maximum of two theory /practical, subjects chosen from subjects of first to fifth semesters. Theory and practical of a subject shall be treated as separate subjects.
6. Other than the provision of rule 5 above a candidate shall not be permitted to reappear, in the papers which he/she has cleared, for improvement of division/marks or for any other purpose.

7. A candidate may provisionally continue to attend next higher year, even if, the result of qualifying year / semester has not been declared. However, subsequently if he/she is not able to clear qualifying semester examination, the candidate cannot claim any right on the basis of his/her provisional admission.

4.3 Promotion to Higher Semester and Year in M.Pharm.

A candidate who has been admitted in the M. Pharm. course will be promoted in accordance with the following rules:

1. For the award of degree minimum Cumulative Grade Point Average (CGPA) required is 5.0.
2. To pass a particular subject of the course the minimum required grade is C. However, the candidate should also separately score minimum of grade C in end semester examinations of theory and practical parts of the subject. For practical examinations one external examiner from outside the institute shall always be there.
3. A candidate who fails to score minimum of grade C in more than two subjects (Theory and Practical of the same subject shall be treated as two subjects) in a particular year, shall not be admitted to the next higher year.
4. The result of fourth and final semester shall be declared only if the candidates has fully cleared all the previous semesters.
5. A candidate shall not be permitted to reappear in the papers which he/she has cleared for improvement of division/marks or for any other purpose.
6. A candidate may provisionally continue to attend next higher year, even if, the result of qualifying year / semester has not been declared. However, subsequently if he/she is not able to clear qualifying semester examination, the candidate cannot claim any right on the basis of his/her provisional admission.

4.4 Promotion to Higher Semester and Year in M.Sc. / MBA

For promotion to the next semester a candidate must secure at least 12 valid credits in a semester. If the secure credit is less than 12 valid credits in any semester, then the candidate may be asked to repeat the entire semester and that semester will be treated

as zero semester. Repetition of a theory/practical course is allowed only to those who get F or 'Absent' in the course.

4.5 Award of Credits and Grade (common to all course as in 4.1- 4.3)

- Each course, along with its weightage in terms of units and equivalent credits, shall be recommended by the concerned Board of Studies and shall be approved by the Academic Council of the Institute. Only approved courses can be offered during any semester.
- A student shall be continuously evaluated for his / her academic performance in a subject through tutorial work, practical, home assignment, mid- semester test, field work, seminars, quizzes, end semester examinations and regularity, as proposed by respective Board of Studies and approved by Academic Council and Executive Council of the University.
- The distribution of weightage /marks for each component shall be decided by the respective of Board of Studies and approved by Academic council subject to such stipulation as given under:

Theory Block

(i) CW	30%
Quizzes, Assignments etc.	10 marks
Attendance*	5 marks
Mid-term tests**	15 marks
CW Total:	30 marks
(ii) End Semester Exam	70%
TOTAL:	100%

Practical Block

(i) Quizzes, assignment and Regularity	40%
(ii) End Semester Exam	60%
TOTAL:	100%

* Distribution of marks for attendance is as follows-

<u>Attendance in %</u>	<u>Out of 5</u>	<u>Out of 10</u>
60 – 70%	1 mark	2 marks
71 – 80%	3 marks	5 marks
81 – 90%	4 marks	8 marks
91 – 100%	5 marks	10 marks

** weightage of marks in mid-semester test shall be average of two tests “or” average of two best of three tests, if third test is conducted as remedial or makeup test.

- Practical training, and project work shall be treated as practical subjects.

5. In each semester, the institute will be required to conduct at least two mid semester tests for theory block. Conduction of end-semester examination will be done in decentralized manner at department level.
6. Each student, registered for a course, shall be awarded grade by the concerned faculty / faculties for the specific subject/ paper. The grades awarded to a student shall depend upon his continuous evaluation through performance in various examinations, assignments, quizzes, laboratory work, class work, mid semester test and regularity. The grades to be used and their numerical equivalents are as under (Table 4.2):

Table 4.2: Grading system for various courses

Grade	% Marks range (based on absolute marks)	Grade Point	Description of performance	Comments
A+	91-100	10	Outstanding	For all courses
A	81-90	9	Excellent	For all courses
B+	71-80	8	Very Good	For all courses
B	61-70	7	Good	For all courses
C+	51-60	6	Average	For all courses
C	50 Only	5	Satisfactory Marginally	For M. Pharm. only
C	41-50	5	Satisfactory	For all courses except M. Pharm.
D	40 Only	4	Marginal	All PG except M.Pharm.
D	31-40	4	Marginal	For All UG courses
F	Below 50	0	Fail	For M. Pharm.
F	Below 40	0	Fail	All PG except M.Pharm.
F	30 & Below	0	Fail	For All UG courses
I	-	0	Incomplete	For all courses
W	-	0	Withdrawal	For all courses

7. The Semester Grade Points Average (SGPA) and Cumulative Grade Point Average (CGPA) shall be calculated as under

$$SGPA = \frac{\sum_{i=1}^n c_i p_i}{\sum_{i=1}^n c_i}$$

Where c_i is the number of credits offered in the i^{th} subject of a Semester for which SGPA is to be calculated, p_i is the corresponding grade point earned in the i^{th} subject, where $i = 1, 2, \dots, n$, are the number of subjects in that semester.

$$CGPA = \frac{\sum_{j=1}^m SJ_j NC_j}{\sum_{j=1}^m NC_j}$$

where NC_j is the number of total credits offered in the j^{th} semester, SJ_j is the SGPA earned in the j^{th} semester, where $j = 1, 2, \dots, m$, are the number of semesters in that course.

8. The grade sheet at end of each even semester examination for students of A-B group (odd semester, for students of B-A group) shall also show CGPA till end of that semester. The final examination grade sheet at the end of final semester examination of the course shall also indicate CGPA, equivalent percentage marks and the division awarded, according to the rule as given in para. 7.0 of this ordinance.
9. A candidate appearing in seventh semester after eighth semester (B-A group) will not be issued Grade Sheet or Provisional Certificate after eighth semester until he has passed all the semesters.

4.6 Condonation of Deficiency in B.Tech./ B. Pharma.

Deficiency up to five marks can be condoned in any two of the subjects (theory or practical) to the best of the advantage of the student: for passing the examinations. The

deficiency can be condoned in not more than two subjects (theory and practical of the same subject shall be considered as two separate subjects, for the purpose of awarding grace marks).

The candidate whose distinction or first division is affected by 0.01 of the CGPA shall be eligible for Condonation of 0.01 CGPA on behalf of the Vice-Chancellor for which the candidate has to apply separately.

4.7 Condonation of Deficiency in M.Tech./ MCA/ M.Pharm.

One grace mark will be given to the candidate who is either failing in any semester or missing distinction/ first division by one mark, on behalf of the Vice-Chancellor in the examination.

4.8 Condonation of Deficiency in M.Sc./ M.B.A.

The Vice-Chancellor may award one grace mark in case the candidate is failing by one mark or missing a division by one mark. Where the deficiency is so condoned one grace mark will be added in the paper/subject in which the candidate gets the lowest marks.

4.9 Award of Division

1. B.Tech./ B.Pharm./ M.Tech./ M.Pharm./ M.C.A

Division shall be awarded only after the final semester examination based on integrated performance of the candidate for all the years of the course as per following details (Table 4.3)

Table 4.3: CGPA score and Divisions

CGPA Score	Divisions
$7.5 \leq \text{CGPA}$	First Division with Honors
$6.5 \leq \text{CGPA} < 7.5$	First Division
$5.0 \leq \text{CGPA} < 6.5$	Second Division

2. M.Sc./ M.B.A. (DAVV Indore)

On completing all requirements for award of the degree, the CGPA will be calculated and this value will be indicated on the degree along with division, shown in the following Table 4.4:

Table 4.4: CGPA score and Divisions

CGPA Score	Divisions
$8.0 \leq \text{CGPA}$	First Division with Distinction
$6.5 \leq \text{CGPA} < 8.0$	First Division
$5.0 \leq \text{CGPA} < 6.5$	Second Division
$4.0 \leq \text{CGPA} < 5.0$	Pass Division

3. The conversion from grade to an equivalent percentage in a given academic program shall be according to the following formula applicable.

$$\text{Percentage marks scored} = \text{CGPA} \times 10$$

4.10 Duration of Course

- There shall be at least fourteen weeks of teaching in every semester.
- One hour of conduct in Lecturer (L) / Tutorial (T) / Practical (P) per week [for B.Tech./ MCA/ M.Tech/ M.Sc./ MBA] and One hour of conduct in Lecturer (L) / Tutorial (T) and two hours of Practical (P) per week [for B. Pharm/ M. Pharm] shall be equal to one credit as allotted in the respective schemes.
- A candidate may provisionally continue to attend next higher year, even if, the result of qualifying year / semester has not been declared. However, subsequently if he/she is not able to clear qualifying semester examination, the candidate cannot claim any right on the basis of his/her provisional admission.
- The maximum duration of the course shall be as follows. However, for one mercy attempt the para 24.1.4 of the Ordinance No.12: "Examination General" shall be applicable (table 14).

Table 4.5: Courses and their maximum duration

S. No.	Course	Maximum Duration
01	B.Tech. (4YDC)	8 years + 1 mercy attempt
02	B. Pharm. (4YDC)	8 years + 1 mercy attempt
03	M.Tech./ M. Pharm/ MCA	5 years + 1 mercy attempt
04	M.Sc./MBA	4 years + 1 mercy attempt

4.11 Merit List

Course & Branch wise final merit list shall be prepared only after the main examination of the final semester on the basis of the integrated performance of all the years of the course. The merit list shall include the candidates securing at least first division and passing all semesters in single attempts.

4.12 Attendance

1. Candidates appearing as regular students for any semester examination are required to attend 75 percent of the lectures delivered and the practical classes held separately in each subject of the course of study, provided that a short fall in attendance upto 10% and a further 5% can be condoned by the principal of the college and Vice-Chancellor of the University, respectively for satisfactory reasons.
2. Student may be detained in one theory/practical or more subjects. In this case student has to complete the academic requirement and appear in end semester examination of the detained subject (or subject components), during the respective/concerned semester.
3. For detention, department will display the list of short attendance every month on the departmental notice board. Final list must be displayed one-week prior to the last date of teaching and will be submitted to Dean (Academics)/Director for final detention.

4.13 Medium of Instruction and Examination

1. The medium of instruction and examination shall be English throughout the course of study.
2. The subjects to be studied in different semesters shall be as per the Schemes, approved by Board of Studies.

Other details related to the courses can be found in the relevant ordinances available on the website of the Institute and Rajiv Gandhi Prodyogiki Vishwavidyalaya, Bhopal.

5. SCHOLARSHIPS

Institute facilitates scholarships as mentioned in this section. These scholarships are sanctioned by various sponsoring agencies associated to Govt. of India, M.P. Government and private agencies. Students are advised to take advantage of these, by applying in time when applications are invited for the same. The details of all kinds of scholarships along with last date of submitting applications are displayed on the notice board, from time to time.

5.1 Post Metric scholarship

(i) For SC/ ST student

- whose parent's income is upto 6.0 Lakhs for SC and ST category students are entitled for Post Metric scholarship as per State Government norms.
- In addition to above, all SC/ST students are entitled to get allowance of Rs 550/- per month in case of day scholar and Rs 1500/- per month in case of hosteller.

(ii) For OBC student

- whose parent's income is upto 3.0 Lakh are entitled for Post Metric scholarship as per State Government norms.
- In addition to above, all OBC students are entitled to get Rs 380/- per month in case of day scholar and Rs 850/- per month in case of hosteller.

For more information regarding eligibility and application process for post metric scholarship please visit (www.scholorshipportal.mp.nic.in) and contact scholarship section of the Institute.

Scholarship Section Contact No.: 0731 2582134

5.2 Mukhya Mantri Medhavi Vidarthi Yojna (MMVY)

Available for students of all category of MP domicile, satisfying following criteria-

- MP Domicile students with parent's income upto 6.0 Lakh
- Pass MP Board Class 12th examination with 70% or more/ CBSE Class 12th examination with 85% or more

- JEE rank upto 1,50,000

5.3 Mukhya Mantri Jan Kalyan Yojna (MMJKY)

Available for students of all category of MP domicile, satisfying following criteria-

- JEE rank upto 1,50,000
- Parents are unorganized workers registered with Department of Labour, MP Government.

5.4 PG scholarship

Scholarship of Rs. 12,400/- p.m. is given to full time GATE/ GPAT qualified students admitted to M.E./ M.Tech./M.PHARM. courses as per AICTE norms and approvals, if approved by AICTE, New Delhi. Scholarship shall be provided by AICTE, New Delhi to the students by direct cash transfer for which student shall need to register on AICTE web portal. Scholarship is paid only after it is received from AICTE, New Delhi.

5.5 Others Merit Scholarships

S. No.	Name of Scholarships	Sanctioning Authority	For more Information and apply on Websites	Remarks
(A) Others Government Scholarships Details				
01	Merit Cum Means Scholarship For Professional and Technical Courses	Backward and Minorities Commission, Govt. of India	http://www.scholarships.gov.in	Guidelines Available on Website.
02	Central Sector Top Class Scholarship for SC Students	Ministry of Social Justice & Empowerment Govt. of India		
03	Post-metric Scholarship for Students with Disabilities	Department of Empowerment of Persons with Disabilities Ministry of Social Justice & Empowerment Govt. of India		
04	Scholarships for Top Class Education for students with disabilities.	Government of India Ministry of Social Justice & Empowerment Department of Empowerment of Persons with Disabilities		
05	CBSE - New Central Sector Scholarship	Central Government of India		
06	MPBSE - New Central Sector Scholarship Scheme	M.P Government of India		
07	Pragati Scholarship Scheme For Girl Students (Technical Degree)	All India Council for Technical Education (AICTE)		
08	Pragati Scholarship Scheme For Girl Students (Technical Diploma)			
09	Saksham Scholarship Scheme For Specially Abled Student (Technical Degree)			

10	Saksham Scholarship Scheme For Specially Abled Student (Technical Diploma)			
11	Prime Minister's Scholarship Scheme For Central Armed Police Forces And Assam Rifles	WARB, Ministry of Home Affairs		
12	Prime Minister's Scholarship Scheme For RPF/RPSF	RPF/RPSE, Ministry of Railway		
14	Financial Assistance for Education of the Wards of Beedi/ Cine/ IOMC/ LSDM Workers	Ministry of Labour & Employment		
15	NEC - Nominees Scholarship Lakshadweep Scholarship Scheme	Students nominated by Concerned State Government.		
(B) Others Scholarships (Apply on Different Sites by the students)				
01	National Talent Search Scheme Scholarship	NCERT, New Delhi	http://www.ncert.nic.in	Terms and Conditions available on concerned websites
02	Scholarship for Students with Disabilities	National Handicapped Finance And Development Corporation (NHFDC) Faridabad	http://www.nhfdc.nic.in/scholarship	
03	Central Wakf Council, Scholarship	The Development Officer, Central Wakf Council, New Delhi	http://www.centralwakfcouncil.org	
04	Sophia Merit Scholarship	Inc Sophia Merit Scholarship Inc, Chennai	www.recruitmentresult.com/sophia-merit-scholarship	
05	Sahu Jain Trust Scholarship	Sahu Jain Trust Scholarship, New Delhi	www.sahujaintrust.timesofindia.com www.jnanpith.net	
06	Life Science Foundation of India Scholarship	Life Science Foundation of India, Mumbai	http://www.lifescience.org.in	
07	Indian Oil Corporation Scholarship	Indian Oil Corporation, Chennai	https://ioclscholar.sifyitest.com or https://www.iocl.com/Aboutus	
08	Jindal Trust Scholarship	S.J. Jindal Trust New Delhi	www.sitaramjindalfoundation.org	

09	Cummins Foundations Scholarship.	The Chairman Cummins India Ltd.Pune	www.cumminsindia.com .	
10	LIC Golden Scholarship Jubilee	Scheme LIC of India, Mumbai	www.licindia.in	
11	Mexican Government Scholarship	Department of Higher Education, New Delhi	http://education.nic.in	
12	NTPC Scholarship scheme for Scheduled Caste/ Scheduled Tribe Students	Manager(HRD), NTPC Limited, Secunderabad	https://www.scholarshipsinindia.com	
14	FAEA Scholarship	Foundation for Academic Excellence and Access (FAEA), New Delhi	http://www.faeaindia.org	
15	Women Scientist Scholarship Scheme (WOS-C)	Government of India Ministry of Science and Technology, New Delhi	http://www.dst.gov.in	
(C) Others Scholarships Apply Manually				
01	S.K. Matlani Memorial Scholarship (Only for Electrical & Mechanical Branch Students)	S.K. Matlani Memorial Trust	Apply Manually Form available at Merit Scholarship Section (Every Year apply only month of July)	
02	Special Poor Boys Students	SGSITS, Indore	Apply Manually Form available at Merit Scholarship Section.	
03	Hari Vishnu Kamath Vidyadan Vishvasta Nidhi: Awarding Scholarship	Canara Bank Executor, Trustee & Taxation Section Financial Management & Subsidiaries Wing BANGALORE	Apply Manually Form available at Merit Scholarship Section.	
04	Shri Vaishnav Scholarship	Shri Vaishnav Shaikshanik Evam Parmarthik Trust, Indore	Students completed their schooling from Vaishnav Schools/ College. Through Vaishnav Trust Authority.	

6. HOSTELS

SGSITS houses four Boys hostel and two Girls hostel as follows

- (i) M. Visvesvaraya (First Year) Hostel
- (ii) C V Raman Hostel (First year UG and PG)
- (iii) H. Bhabha (Second Year and PG) Hostel
- (iv) J C Bose Hostel (3rd Year and 4th Year)
- (v) Sarojini Naidu Girls Hostel (all UG and PG girls)
- (vi) Devi Ahilya Bai Girls Hostel (all UG and PG girls)
- (vii) Transit hostel for Ph.D. research scholars

Mess Facilities: Good quality food is available in respective hostel mess-halls. A Team of mess workers with a contractor is appointed in each hostel mess. The menu and mess management is taken care by Students Mess Committee in respective hostels. All hostel messes are equipped with watercoolers for drinking water. Moreover, drinking water (processed through centralized aquaguard water purifier) is available at all floors of the hostels.

Recreational Activities: These activities help the students of the hostels to satisfy their social needs in maintaining the harmony and cohesiveness among them. Various facilities are available in each hostel; such as (a) Carom Boards (b) Chess Boards (c) Table Tennis (d) News papers and Magazines (e) TV hall with cable connection. In addition to all these facilities inside the respective hostels, the facilities for Cricket, Football, Handball, Lawn Tennis, Badminton, Gymnasium etc. are also available in the institute premises. The students of the hostel also organize and celebrate all major festivals as a part of sustaining the Indian ethics and cultural values.

Hostel Allotment Procedure (Boys): The candidates seeking admission to First Year Hostel are required to submit the duly filled application form alongwith the photocopy of JEE Marksheet and challan copy of registration in the Institute. The allotment is made on respective seats (all categories) for all branches of engineering and pharmacy.

After the session, the eligible students are shifted to Second Year Hostel, where these students are required to submit duly filled application form along with the photocopy of previous year marksheet and the challan copy of registration. Similar procedure is followed for allotment in Third year and Final year hostels. Similar procedure is followed for allotment of PG students.

Hostel Rules: Following rules will govern the admission to the Hostel

- (i) All the hostellers will be strictly under the control of Hostel Wardens.
- (ii) Failure to pay Hostel fee in time will make the student liable for expulsion from the Hostel.
- (iii) All admissions are for a complete semester (6 months), Boarders are liable to pay all charges for the full semester irrespective of their date of admissions.
- (iv) Each Hostel has its own kitchen and dining hall. Hostel Messes are run on cooperative contract basis. Student residing in hostel has to take food in hostel mess mandatorily otherwise a maintenance charge has to be paid every month as per rule.
- (v) Use of electric heaters electric stoves or/ and any other electric gadgets in the hostel is strictly forbidden. In the room, cooking of foods is strictly prohibited. Hostellers violating this rule or tempering with electric fuses or other electric fitting in the Hostel will be liable to punishment leading to cancellation of their admission to the hostel.
- (vi) The Hostel will remain closed during the inter-semester breaks.
- (vii) Hostellers are advised not to keep any valuable items and large amount of cash with them The Institute does not hold any responsibility for losing or theft of any of their belongings.
- (viii) Students are not permitted to leave the hostel after 10 pm (or as Specified by Hostel Authorities).
- (ix) Admission is granted for one semester at a time. Normally, student may continue as resident till the completion of the course, subject to passing in the class admitted and satisfactory progress as well as good conduct and availability of seats in hostels.
- (x) Separate electricity charges has to be paid for Room Cooler use as per rule.

- (xi) 20% and 15% of the total seats in the Hostel are reserved for students belonging to number of Scheduled Tribes and scheduled Castes respectively. If the sufficient number of students belonging to scheduled caste and scheduled tribes are not available, their reserved seats will be allotted to other students after last date for submission.
- (xii) The wardens have full right to remove the students from the hostel if found involved in any objectionable activities or violating the hostel environment.
- (xiii) PG students are allotted the room for their tenure only. No extension is permitted for any reason.
- (xiv) For Hostel Fee: Please refer fee section

7. GENERAL RULES, CODE OF CONDUCT AND ANTI-RAGGING INFORMATION

7.1 General Rules, Code of Conduct

1. Students who do not join semester in time are liable to be refused the admission in the current semester. In case of delay in joining due to illness or other unavoidable cause, a communication must be made to the Director in time.
2. Regular and punctual attendance in theory, practical, field work and class test etc. is required for every regular student in order to be eligible to appear at the examination. In the case of persistent negligence of work, repeated failures at examination or unreasonable delay in presenting oneself for such examination a student may be required to withdraw from the institute.
3. When a student is absent due to illness or any other genuine cause, a written application must at once be sent to the Director.
4. All fee & privileges will be forfeited if a student is dismissed for bad conduct or any other such reasons.
5. Student is required to replace repair an apparatus or other property destroyed or damaged due to their fault.
6. The Director reserves the rights to remove the name of any student from the roll due to failure to pay college in time (a) Failure to come up to prescribed standard (b) Unsatisfactory conduct.
7. Any student will be liable for disciplinary action up to rustication for behaving in a manner subversive to discipline or for any grave misconduct like taking part in any kind of hooliganism either inside or outside the institute and/ or hostel premises. Intimidation to anyone belonging to the institute, unauthorized absence from attending classes taking part in any un-academic and antisocial activity, any act of similar nature and conviction in court of law for criminal offences.
8. The Director reserves the right to refuse admission/registration to his own discretion to any student at the beginning of any academic semester, for reason of his/ her behaving in a manner subversive to discipline or for any grave misconduct and whose behavior/ activity in the opinion of the Director may not be considered as conducive to the maintenance of discipline in the institute.

9. Every student should check the percentage of attendance from time to time and the parents/ guardians also should keep a watch in regard to the percentage of attendance of their sons/ daughters/ wards and progress in studies. According to present ordinance every student must attend at least 75% of lectures, laboratory classes and must complete class work, term work & sessional work for being eligible to appear at the examination. The institute does not undertake the responsibility to intimate the shortage of attendance of any student unless asked for.

7.2 Anti-Ragging Information

The legal definition of ragging is as follows:

“Ragging” means the doing of any act which causes, or is likely to cause any physical, psychological or physiological harm of apprehension or shame or Embarrassment to a student and includes,

1. Teasing or abusing or playing practical joke on or causing hurt to any student.
2. Asking any student to do any act, or perform anything, which he/she would not, in the ordinary course, be willing to do or perform.

Ragging constitutes one or more of any of the following acts:

1. Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student.
2. Indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student;
3. Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student;
4. Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher;

5. Exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.
 6. Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students;
 7. Any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person;
 8. Any act or abuse by spoken words, emails, posts, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the is comfiture to fresher or any other student;
 9. Any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.
- Maintain Discipline and follow the code of conduct

- **DONOT involve in any act of Ragging**
- **DONOT miss your classes**
- **DONOT indulge in day scholar / hosteller conflicts**
- **DONOT indulge in smoking / drinking / drug use**

Ragging is totally banned and anyone found guilty of ragging and/ or abating ragging is liable to be punished depending upon the nature and gravity of the offence

1. Cancellation of admission
2. Suspension from attending classes
3. Withholding/ withdrawing scholarship/ fellowship and other benefits
4. Debarring from appearing in any test/ examination or other evaluation process
5. Withholding results
6. Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.

7. Suspension/expulsion from the hostel
8. Rustication from the institution for period ranging from 1 to 4 semesters
9. Expulsion from the institution and consequent debarring from admission to any other institution.
10. Collective punishment: when the persons committing or abetting the crime of ragging are not identified, the institution shall resort to collective punishment as a deterrent to ensure community pressure on the potential raggers.

8. DEPARTMENTS AND CENTERS

8.1 Civil Engineering & Applied Mechanics

This is the first department of SGSITS established in 1952. The Department is fully equipped with modern facilities. The major strength of the Department is participation in multidimensional activities like Testing, Consultancy, and Organizing state of art Seminars, Workshops, Short Term Courses etc. The Department is having faculty strength of 12 staff members with 7 of them having Ph.D. This Department is equipped with 16 Laboratories and Computer Center for Research and Development, teaching, training and consultancy. The department has been identified as a Resource Center for earthquake studies by National Programme for Earthquake Engineering Education, Govt. of India. A grant of INR 15 lacs was sanctioned for the setup of a lab in earthquake engineering under NPEEE project of MHA. The Department is also a QIP Center for Ph. D. Programme. The Civil Engineering Department is State Technical Agency (STA) for Pradhan Mantri Gram Sadak Yojna (PMGSY) since 2003 by Ministry of rural development under Government of India. In this project, the STA members are scrutinizing the Detailed Project Report.



Faculty members of the department have been awarded various prestigious awards like Anna University Award by ISTE (1992), UNESCO (1989), Career Award in 1995, 1996, Indira Gandhi Fellowship in 1996, NPEEE Fellowship (2005), INA Fellowship (2005, 2009), Young Scientist Award, MPCOST Fellowship in various years to many faculty of

the department. A large number of publications appear in the National and International Journals and Proceedings of Conference every year.



8.1.1 M. Tech. (Civil) Specialization in Structural Engineering

Structural Engineering is the oldest and most important specialization of civil Engineering. The raw Civil Engineering bachelors are moulded into qualified experts of Structural Engineering best suited to cater to the needs of industry, teaching and research. The scheme is so designed that student get sufficient knowledge of structural design, communication skills, research paper writing and execution thus preparing them industry ready. Along with the subjects like Concrete Technology, Foundation Engg., Numerical Methods, etc. common to all P.G. specializations, the candidates study the hardcore Structural Engg. Subjects like Earthquake Resistant Design of Structures, Finite Element Method, Advanced Structural Analysis, Advanced Concrete Design, Advanced Steel Design, Theory of Plates & Shells, etc. They also study some subjects like Theory of Plasticity and Mechanics of Fiber Reinforced Composites, etc. The institute also provides opportunities to the students for the literature review workshop at IIT's and NIT's. The candidates with most updated knowledge in the latest applications obviously find their employment in state & central Govt, Organizations like

city Development Authorities, Housing Boards, Bridge Corporations, Railways etc. along with public sector and private ltd. companies like H.C.C., L&T(ECC), HSCL, HPCL, NHPC, etc. They also have good entrepreneurship option as structural consultants and give employment to many people. Owing to vast Structural Engineering applications, they can also divert to Aerospace, Ship building Structures etc.

8.1.2 M. Tech. (Civil) Specialization in Water Resources and Environmental Engineering

Increasing scarcity of water in all sectors due to continuously growing population has been playing considerable emphasis on Water Resources Development and optimum utilization of available resources. The Flood – Drought situation in the country also calls for management of Water Resources in critical extreme situation. The coming decades shall be requiring specialized experts in the area of Water Resources Engineering & Management to solve the above-mentioned problems and to plan & execute the newly launched project of “Interlinking of Rivers” by Government of India. This P.G Course Focuses on Resources Evaluation and Management and not on conventional Fluid Mechanics. It imparts training to the professionals in the area of Deterministic and Stochastic Hydrology, Water Resources Systems Engg., Water Management, Ground Water Resources assessment and Recharging, Design of Hydraulic Structures etc. Along with these subjects the student may also opt for Design of water supply systems, design of sewage treatment and disposal systems, and hydraulics of environmental systems. The students completing this course will be able to develop expertise in Evaluation and Assessment of available Surface & Ground Water Resources, Decision Making under Uncertainty, Optimum Use of Water, Reservoir Operation, On Farm Water Management, Computer Aided Analysis & Design, Probability Theory and Statistical modeling along with the environmental engineering aspects of water resources. The candidates after obtaining the degree will have the opportunities of jobs in various Govt. Departments, Govt. of India Undertakings, Private Sectors dealing with Development & Management of Water Resources including CWPRS, CWC, NIH, NWDA, WAPCOS, NHPC, NHDC, CPCB, MPPCB etc. Apart from these they can develop themselves as unique consultants in the area. The students who have completed the course in past have been very well placed.



8.1.3 M. Tech. Environmental Engineering

The increasing pollution in all sectors such as Water, Air, Noise is resulting in Environmental Degradation and is providing alarms for the sustenance of comfortable life on the surface of the earth. Scientists, Technologists, Engineers are required to be alert to face these challenges of future. These aspects emphasize on development of trained experts in the field of Environmental Management and Pollution Control. M. Tech. course in Environmental Engineering. is an interdisciplinary one, open to graduates in Civil, Mechanical, Electrical, Chemical and Agricultural Engineering and it provides platform to acquire relevant knowledge in all the above-mentioned areas. It imparts training in Air and Water Pollution Control, Environmental Chemistry and Microbiology, Industrial Waste Treatment, Environmental laws, Legislation, Impact Assessment and Solid Waste Management, apart from study Water and Sewage Treatment Plants. The candidates completing the course can be absorbed by R&D Organizations, Govt. and Private Sectors dealing with Environmental Management and Pollution Control.



8.1.4 M. Tech. (Civil) Specialization in Transportation Engineering

Since last 5 years, Road Sector has got a sudden boost and a large number of Roads are being remoulded and constructed to develop a strong Road Transportation Network. A large number of companies have been involved in Road Construction Projects and having a very high demand of trained personnel in the area of Transportation Engineering. With the launching of 'Prime Minister Road Plan', the requirement of trained personnel has increased manifold. To meet the requirement, the department is offering M.Tech. course in transportation engineering.



This M.Tech. course provides training to students in all the related areas of Transportation Engineering such as Traffic engineering, urban and rural transportation planning, system analysis, Design and construction of flexible and rigid pavements, railway engineering, airport engineering, bridge and tunnel engineering in addition to basic subjects of concrete technology and geo-technical Engg. The candidates completing this course shall be able to handle all tasks of planning, designing and construction of road project and can be offered by various government and private organizations dealing in road sector.

8.2 Mechanical Engineering

The Department of Mechanical Engineering is one of the major and oldest departments of the institute which started functioning with undergraduate program in 1956. Since then the department has registered continuous growth in all directions. Advanced subjects such as Mechatronics, Vibration and noise control Computer aided design, Data sciences etc. have been introduced as compulsory/ elective subjects in the undergraduate studies. All the laboratories in the department are equipped with the latest experimental facilities. The department also offers three P.G. courses in CAD/CAM/CAE, Mechanical Engineering Design and Thermal Engineering. Four laboratories have been developed for conduction of experiments at postgraduate level. Students present research and review papers in various seminars and conferences. Our students have demonstrated their capabilities by winning prizes in the institutions of repute, like IITs NITs. SAE collegiate club , energized by the society of Automotive Engineers, is functioning in the institute and nearly 300 students are the active members. The students frequently organize various activities like automotive quiz, CAD workshops, Expert lectures, paper presentation etc. for engineering students of the state. Students are exposed to practical knowledge by Industrial visits to the industries like Hindustan Motors, Tata Motors Pune, ARAI Pune, Thermal power plants, Indira Sagar Hydal Power plant, Shakti Pumps India Limited, Dee Tee, VECV etc.



8.2.1 M.Tech in Thermal Engineering

Master of Technology in Thermal Engineering is postgraduate course in Mechanical Engineering started from the session 2020. The course focuses on the main lines of Thermal and Energetic Engineering: energy efficiency, renewable energy and environmental preservation by means of the knowledge of classical energy technologies together with recent technologies in renewable energy, as well as energy efficiency and energy saving policies and means, environmental legislation and energy economy. Thermal Engineers pay attention to every aspect of heat generation and its removal in real systems. Department has labs like Fluid Mechanics and Hydraulic Machines laboratory, Heat and Mass Transfer lab, Thermodynamics Lab, IC Engine lab, Refrigeration and Air conditioning lab, Steam and Gas turbine lab dedicated to this program. This program is suitable for engineering graduates who wish to enhance their expertise in engineering thermodynamics, fluid mechanics and heat transfer and develop their competence in the use of analytical. The program is designed specifically to meet the needs of the modern engineer both in the industry and in research or education establishments. The program is also beneficial for further studies such as Ph.D. as it gives a good base for it.

8.2.2 M.Tech. in CAD/CAM/CAE

Department has also started ME in CAD/CAM/CAE from the session 2012. The objective of this program is to create highly qualified professionals in the field of CAD/CAM/CAE to meet the challenges of Industries. Collaboration with IITs and Industry is planned to meet this challenges. The department has developed a separate PG lab for this course with high tech Rapid Prototyping and Reverse Engineering Facilities along with state of art CAD/CAM/CAE softwares.

The courses taught in the first semester will be Computer Aided Design, Computer Aided Manufacturing, Finite Element Analysis, Advance Machine Design, and Advance Material Science. In the Second Semester the courses taught would be Mechatronics and Industrial Automation, Optimization in Engineering Design, Rapid Prototyping and Rapid Tooling, along with elective subjects such as Computational Fluid Dynamics, Computer Aided Thermal Design, Product Design and Development etc.

8.2.3 M.Tech. in Mechanical Engineering Design

The department offering M.Tech. in Mechanical Design course since session 2020-21. This course is started to cater the need of design, research and development activities in Industries and R&D organizations in Public and Private sector. The programs includes the mechanical design practices, modeling and simulation and experimental techniques used in industries as well as research organizations.

This master program covers the advanced subjects such as advanced stress analysis, machine design, computer aided design, vibration control, finite element analysis, mechatronics, fracture mechanics, materials, mechanisms, optimization etc. as core and elective subjects. Along with above subject students also work on major project which help them to develop expertise in a particular domain. This course is intended to develop competence in mechanical analysis and design skill in students which will be useful for industries, academics and higher education.

8.3 Electrical Engineering

The Department of Electrical Engineering is one of the oldest department established in the year 1957. At present, the department offers both undergraduate and postgraduate programs in Electrical Engineering. The department has well equipped laboratories in the area of Electrical Machines, High Voltage & Power Systems, Control Systems Engineering, Electrical Measurements, Power Electronics & Drives, Microprocessor and Embedded System. Department has software computing facilities with latest software and high speed Internet connection to support modeling and simulation work. The department is actively engaged in research, consultancy and testing in the area of Electrical Engineering.

The department offers postgraduate Programs in Electrical Engineering with specialization in “Power Electronics” and “Power System and Control”. The department regularly publishes research papers/ articles in international/national journals, conferences, and book chapters. The department is a recognized QIP center for Ph. D. and M. Tech. programs.



The competent candidates seek admission in the department. Most of the students of the department receive opportunities for remarkable placements through on/off campus selection. Many students secure positions in the PSUs, abroad, institutes of national importance and laboratories for further research and higher studies.

Alumni of the department are serving at higher positions in all major sectors of the state/central government and private organizations across the globe, including NAVRATNA companies.

UG Program of the department is accredited from 2015 by National Board of Accreditation (NBA) and therefore, member of Washington Accord under the category of Tier-I institute.

8.3.1 M. Tech. in Power Electronics

Power Electronics is an emerging thrust area of Electrical Engineering. It deals with conversion of electrical power for various sectors of daily life. Power Electronics is the backbone of modern society development and helps in improving comfort level using Electrical Drives, smart grid, Power Supplies, Electrical Vehicles, Renewable Energy, Flexible AC Transmission Systems, lighting etc. The department is in his credit to start this branch of specialization very first in state of Madhya Pradesh in the year of 1986. Very dedicated and specialized laboratories with state of art equipments and experimental sets up with research and development facilities are available in the department to nurture the graduate students.

8.3.2 M. Tech. in Power System and Control

Power System and Control is the backbone of Electrical Engineering domain. For covering this dimension of the Electrical Engineering, the department offers specialized program in the area of power system.

The PG program has to cover the automation involved in making the hybrid systems and smart grids through adaptive strategies and intelligent techniques. This program is well equipped with highly qualified and experienced faculties and also department have good quality of laboratories and research facilities. Student are getting good opportunities for research and development, placement along with regular study.

8.4 Electronics & Telecommunication Engineering

The Department of Electronics & Telecommunication engineering at SGSITS Indore was established in 1973. Courses offered by the department are Bachelor of Technology (B.Tech.) and Master of Technology (M.Tech.). The department is a minor QIP Ph.D. centre and is offering Ph.D. program in Electronics and Telecommunication Engineering. M.Tech. (Electronics & Communication Engineering) was started in the year 2003 in view of large teledensity in the field of mobile communication in the country and expansion of computer networks.

The Under Graduate course (B.Tech. - Electronics & Telecommunication Engg.) and PG course (M.Tech.- Electronics and Communication Engineering) offered by the department have NBA Accreditation. The programme offered by the department has special emphasis on Wireless Telecommunication Networks, Digital Signal Processing, Embedded system and RF and microwave.

The laboratories of the department are well equipped with the state of art instruments/equipments. Various laboratories of the department include Basic Electronics Lab., Analog Electronics Lab, Digital electronics Lab, Electronics Measurement Lab, Analog communication Lab., Digital communication Lab, Antenna and Microwave Lab, Electronics Workshop, Digital Signal Processing Lab, Optical communication Lab, Microprocessor and Microcontroller Lab, Computer Centre and Department Library. The department has well established computing facilities with Intranet / Internet connectivity and e-library.

Department participated in TEQIP I, II and III Programmes (Technical Education Quality Improvement Programme), IMPACT (Industry Oriented Manpower with Appropriate Competence and Training) Project of Ministry of Information Technology, implemented jointly with SDC and World Bank. Department has executed projects sanctioned from AICTE, MHRD. Specifically, the department has developed a MODROB (under the AICTE scheme) Laboratory for Advanced RF and Microwave and offers consultancy for Antenna design and its testing.

Department has its innovation & quality procedures such as (1) regular updating of curriculum, (2) Improvement in teaching methodology using Digital Board, LCD etc. as well as on-line teaching facilities, (3) Learning material development including book writing (4) Laboratory experiments & Journal development (5) faculty and staff training. Short Term Training Programmes (on-line and off-line) are conducted regularly for the faculty members, P.G. and Ph.D. scholars of the Institute and nearby Institutes. Department participated actively under NMEICT with IIT Bombay. Faculty members of the department are well qualified and experienced and also participate in various short term training programs such as ATAL, NPTEL/SWAYAM for continuous improvement. Faculty members of the Department have participation at National and International activities in National and International institutes. Apart from this, faculties of the department are involved in giving consultancy for social services like Indore Police and Central Jail. The department has well qualified and trained technical supporting staff. The faculty members have published books and patents too. Faculty members also selected in UKIERI programme under MoU of AICTE and U.K. from the department.

Academic working environment of the department is cohesive and congenial, having good interaction between students, faculty & staff, and also with the nearby R/D institutions and local industries. Most of the faculty members have Ph. D. and some of the faculty members have their M.Tech. and Ph.D. from IITs. Many alumni of the department have pursued M. Tech. and Ph.D. studies in various IITs and abroad after securing high percentile in GATE & GRE and many of them have qualified in Engineering and Administrative service exams.



8.5 Electronics and Instrumentation Engineering

The Department of Electronics and Instrumentation Engineering was established in 1984. This Department came out as an offspring of Electronics Engineering due to enormous development in the field of Electronics and demand of Instrumentation Engineers in the city and its vicinity. Equipped with modern sophisticated instruments, it offers Under Graduate course (B. Tech. Programme). An M. Tech. course in Microelectronics VLSI Design was started by this Department in 2002. The faculty is well qualified to accept the new challenges in the Electronics and Instrumentation field. The Department has been recognized as a centre to conduct short term Programme for teaching faculty in the PC based Electronics Instrumentation under UGC vocational courses. New ventures for research and product development are being set up under MHRD schemes.

Department is also running Special Manpower Development Programme (SMDP) in VLSI Design funded by Ministry of Information and Communication Technology, Govt. of India. Department received a grant of Rs.55 Lacs for first phase from 1999 to 2005, a grant of Rs. 1 crore 10 Lacs for second phase from 2005 to 2013 and a grant of Rs. 1 crore 66 Lacs for third phase since 2014. Under India Chip program of SMDP project, a two stage CMOS op-amp was designed, fabricated and tested. Department is working on two projects on 2.4GHz RF Receiver Front-End and Versatile Physiological monitoring System in collaboration with IIT Bombay.



Department has setup two VLSI Design Laboratory under this project. Faculty members of the Department have taken training at various IITs, IISc, IIMs and CEERI Pilani under this VLSI project. Under this project, the Department received state of art software's like Tanner, Cadence, Synopsis, Mentor Graphics.

8.5.1 M.Tech in Microelectronics and VLSI Design

Department is running M. Tech in Microelectronics and VLSI Design since 2002. Very Large Scale Integrated (VLSI) Circuit Design is the process of designing a large computer chip (more specifically, an integrated circuit, or IC), using EDA tools on a workstation or a personal computer (PC). The course demands learning the principles of VLSI design, designing and fabricating state-of-the-art VLSI chips, understanding the complete design flow and expertise to design CMOS chips for industrial requirements. The curriculum focuses on employing hierarchical design methods and understanding the design issues at the various levels of hierarchy. Students are exposed to various design software for front end and backend both in this programme. Also, they learn to design, simulate, implement and test complex digital systems using FPGAs (Field Programmable Gate Arrays). Department has state of arts VLSI Design laboratories which has EDA tools like Tanner, Cadence, Synopsis, Mentor Graphics.

The main objective of this course is to analyze and design characteristics of transistors and gates and to study the issues and methodologies involved in the integration of these devices into complex high-performance systems.

With the recent and rapid growth in the areas like hardware software co-design, architectures for machine intelligence, network on chip etc. the programme is designed to cater to the needs in producing engineers trained in both hardware and software areas, bridging the gap between academia and industry. Students will be trained in several topics that cut across different domains, starting from the lowermost level of physical devices to the top level of application development.

8.6 Computer Engineering

This department pioneered the education in Computer Engineering in the state of Madhya Pradesh and Central India. It was established in 1983, the first one to run the UG and PG programs in Computer Engineering. The department has been recognized as a QIP center for PhD Program in Computer Engineering.

The department continuously updates its curriculum to include contemporary and specialized courses for UG and PG students. The prospective subject areas like Machine Learning, Information & Network Security, Design Thinking, Internet of Things, Agile Software Methodology, Data Science, Big Data, Cyber Security & Forensics, and Cloud Computing etc. are part of the scheme. The projects carried out by the students have been receiving applause from the industries and thus fetching good placement opportunities.

The department has maintained an excellent student placement track record throughout. Many of the ex-students of the department are now serving at prominent positions in reputed R&D and other government organizations along with leading industries in the country and abroad.

The department has learned faculty actively involved in R&D activities, training and consultancy along with academics. Many faculty members have published research work in reputed journals and conferences. Recently, faculties of the department were successful in getting the IDEA Lab project for the institute from AICTE. Faculty members are giving consultancy for the Indore Smart City Project at IMC. The department provides training and learning opportunities to faculty members for enhancing their knowledge, honing teaching skills and upgrading qualifications.

The department has well equipped laboratories of advanced areas like Internet of Things, Data Science, Cloud and Cluster Computing, with a large number of state of the art computers. The department has a specialized Audio Visual Learning Center and two lecture theatres equipped with audio-visual facilities for conduction of UG and PG classes. These are also suitable for expert lectures, seminars, presentations etc.

The department established the Center for Distance Engineering Education program (CDEEP) in collaboration with IIT Bombay in year 2001. It was also selected as a Centre for Aakash project of the government of India for various R&D activities.

The department has been actively interacting with the software industries for fostering industry-academia interaction for mutual benefit in various ways. It has signed MoUs with some industries for collaborative work. Some professionals teach students as visiting faculty. It helps the students in getting opportunities to interact with industry professionals and exposure to current industrial practices.

8.6.1 M.Tech. in Computer Engineering

The curriculum of this programme has been designed to meet the academic needs as well as research based specialized education in Computer Engineering. The students are trained in all the thrust areas of the field like Machine Learning, Database Engineering, Deep and Reinforcement Learning, Data Science & Analytics, Block Chain etc. Students are prompted to carry out research based projects. The department laboratories are well equipped with state of the art machines and facilities to carry out research based experiments and projects. Experts from the industry and reputed institutions are invited as visiting faculty as well as for delivering Expert Talk on specialized topics. The PG students find ample job opportunities in government, R&D organizations and Software Companies of repute.

8.7 Industrial & Production Engineering

The Industrial and Production Engineering department was established in the year 1973 to start the postgraduate programme in collaboration with the industrial collaboration with M/s Grasim Industry, Nagda in the area of Industrial and Production Engineering. The B.Tech programme in Industrial and Production Engineering was

started in 1984. Recently, in the year 2021, the B.Tech (IPE) has been accredited by the National Board of Accreditation (Washington Accord), New Delhi. The department is also offering M.Tech in Industrial Engineering and Management from 1982. In the year 2020, M.Tech in Manufacturing Engineering was also started by the department.



The Department is equipped with learned faculty and modern facilities. The Department has set dimensions in research. In addition to winning national level award, the faculty members have authored number of books which are popular in many engineering curricula of the country. Conducting AICTE/ISTE sponsored short term courses, workshop, and training programme for executives is a regular feature of the department. The department has an exclusive reference library consisting of latest books, and videos. The department has well equipped laboratory in the area of CAD/CAM, FMS, Advanced Machining, Industrial Inspection, Industrial Engineering and Ergonomics, Quantitative Techniques, Foundry and Welding. The Department has well equipped workshop for imparting basic training in various trades/manufacturing processes. The department has been continuously carrying out consultancy work in the area of Industrial Engineering & Management and Production Engineering for the past 20 yrs. The department has produced 10 Ph.Ds and have published 10 books. More than 100 research papers have been published by the department in the last three years. The

department facilitates the students with the learning sessions from eminent faculty from IITs/ NITS etc. as well as the professional experts from industries.

8.7.1 M.Tech. Manufacturing Engineering

Master of Engineering in Manufacturing Engineering is a two-year postgraduate course. The course is concerned with the analysis of advanced engineering problems using modelling techniques, computer implementation, experimental verification, and case study investigations. The program focuses on Advance Manufacturing Processes, and Manufacturing; primarily in relation to development, planning, and implementation of industrial production. The aim is to impart education in basic and advance manufacturing process and the development of new manufacturing systems that are innovative and competitive. The program aims at developing skills, knowledge, and aptitude among students so that they can have a 360-degree view of manufacturing. The syllabus for the course is divided into four semesters plus some elective subjects.

During first two semesters (first year) students study various subjects related to manufacturing processes and analyses right from basic to advance level. In second year, students need to undergo one-year live project based on industry related problems of manufacturing engineering. The department is having both basic as well as advance manufacturing labs, CAD/CAE laboratory well equipped with latest softwares (such as Pro-E, ANSYS, Master CAM, and Auto CAST) which will help student to acquire sound practical knowledge.

8.7.2 M. Tech. in Industrial Engineering and Management

This program is aimed at training the students in Optimization, Enterprise Resource Planning, Classical Industrial Engineering, Operations, Finance, and Marketing Management. Students from all branches of engineering are eligible in this program. This program is supported by qualified and dedicated faculty. Students of this program are also absorbed in Manufacturing as well as service industry. Many defense personnel have also completed this program in the past. Due to its running over 25 years, it has very wide and deep alumni base. The passouts of this program have carved a niche for themselves. They include CEOs of the industry, entrepreneurs and faculty in engineering institutes of repute.

8.8 Information Technology

The department of Information Technology was established in the year 2000 with the introduction of B.E. (I.T.) programme. Further a course of M.E. (IT) was introduced in 2019. Presently, B.E. and M.E. courses are renamed as B.Tech and M.Tech. respectively. The vision of the department is “To create IT technocrats equipped with skills, ethics and social values for developing a globalized and technological solution for betterment of society through transformative education”.

The curriculum of the course is reviewed and revised regularly, keeping in view the needs of industry. Many student projects at final year B.Tech. and M.Tech. are carried out in association with the industries. The department has well equipped laboratories with state-of-the-art facilities for teaching, learning and research. Faculties and students published good research papers in renowned journals, conferences and having patents. Faculties also got research projects from national agencies and doing consultancy in their area of expertise.



Detail information about the department is as follows:

- Year of establishment - 2000
- Well qualified faculties, Professors, Associate professors and Assistant professors, having PG and Ph. D. from IITs, NIT and other reputed institutions.

- Well equipped laboratories - e.g. cloud computing lab, mobile computing lab, software engineering lab & data centre.
- Consultancy to industries
- Placements and internships in reputed organizations with higher packages
- Students got admission to various institutes such as IISc, IITs, IIMs, NITs and foreign institutions for higher studies.
- TEQIP project phase-III
- MHRD projects taken up by some faculties
- Good publications from faculties and students
- R&D- high level and basic research
- Smart classrooms with latest teaching aids
- Courses offered: BTech-IT, MTech-IT
- Regular conducted academic activities like invited expert talks, Faculty development programs, workshops, industry visits.
- Conduction of coding competitions, hackethon, and seminars by experts under student clubs.

8.9 Biomedical Engineering

Department of Biomedical Engineering was established in the year 2001 with an aim to develop manpower in the upcoming field of modern health care industry. It evolved from Electronics and Instrumentation as a specialized degree course in the field of Biomedical engineering for providing specially trained graduates for providing better services in health care instruments as well as to promote research and development of low cost indigenous products. The primary mission of the BME department is to educate students to understand the human body as an integrated system through quantitative engineering analysis and to use that understanding to design better therapeutic strategies, devices, and diagnostics.

Biomedical Engineering deals with the application of electronic, pneumatic and mechanical instruments that are used in medical science applications. The bachelor's course on Biomedical Engineering in this Institute has started in the year of 2002 with an intake of 60 students. This course covers the Electronics and Instrumentation aspects of medical instruments required for health care. The theory of signal processing

applied to medical science such as, image processing, digital signal processing, network analysis, etc. is also a part of academic curriculum in this course. This course also imparts training to the students for overall design, maintenance and installation of medical instruments in a hospital or a medical R&D centre. This course aims to strengthen the manpower in the area of Biomedical Engineering. Thus, this forms a bridge between Engineering and Medical streams for research & development as well as applications in the regular practices. It is interdisciplinary course in a sense that the student gains sufficient knowledge of nearly all the engineering streams.



8.9.1 M.Tech. with Specialization in Biomedical Instrumentation & Signal Processing

Master of Technology in Biomedical Instrumentation and Signal Processing is a two-year postgraduate Biomedical Engineering program. It is a multidisciplinary field in which the principles of engineering are applied for solving problems in Bio-Medical field for the benefit of mankind. It applies quantitative, analytical, hardware(H/W) & software(S/W) methods from the molecular level to that of the whole organism, which help in better understanding of basic biological processes and to develop innovative

techniques for the diagnosis, treatment & prevention of disease. The course covers advanced biomedical signal processing, advanced digital image processing, real-time signal processing, speech signal processing, neural networks & fuzzy logic in medicine and medical imaging techniques. The curriculum has been designed to provide all students with a general background in Biomedical Engineering followed by more specific knowledge in the area of their choice of electives.



8.10 Management Studies

Department of Management Studies was established in the year 2012, keeping in mind the increasing demand of Professional Managers in every nook and corner of the world. The department offers PG program with an annual intake of 60 students. For admission students have to appear in National level CMAT entrance examination which is held by NTA.

Vision of the department is “To be a leading learning center of management practices that contributes in the development of dynamic needs of the society by producing ethical & global managers and entrepreneurs”. The department aims to fulfill the vision with total commitment from faculty, staff and students. The faculty of department is well qualified, enthusiastic and hard working. The department continuously encourages the faculty to acquire higher qualifications and pursue research work. All the faculty

members of the department hold Ph.D. degree and are working towards other higher qualifications.

The students are encouraged to undertake projects and trainings in collaboration with various industries. The department regularly conducts expert talks, webinars and guest lectures of eminent industrialists and alumni.

Apart from academic domain students are also motivated to take part in sports and cultural activities. It is evident from the past year's record that both faculty and students have been working in synchronization to take the department to greater heights of academic excellence.



8.11 Pharmacy

The Department of Pharmacy (Formerly State College of Pharmacy) is considered to be one of the best pharmacy schools of Central India imparting need based undergraduate and postgraduate pharmaceutical education. Equipped with sophisticated research instruments and lab equipments, well qualified and experienced faculty and with a good library, computing, and lab facilities it offers four year B. Pharm. Degree and Two year M. Pharm. Degree in Industrial Pharmacy and Pharmaceutical Chemistry specializations respectively and a full time Ph.D Degree programme. The faculty members of the department are actively engaged in various research projects with the financial support of UGC, AICTE, and DST & MPCST. Over 35 candidates have been awarded Ph.D Degree under the supervision of faculty members. The research papers published/presented by faculty members and research students in various international

and national journals/conferences have been widely appreciated. The department has maintained an excellent student placement track record throughout. The Industry Institute Partnership cell (IIPC Pharmacy) sanctioned by AICTE to Pharmacy Deptt has been actively interacting with the pharmaceutical industries for fostering industry-academia interaction for mutual benefits in various ways.



8.11.1 M. Pharm. (Pharmaceutical Chemistry)

The curriculum of this programme has been designed to impart a research based specialized education in Pharmaceutical chemistry. The requirements of pharmaceutical industry are given due weightage in the course contents and research projects. The major areas of current research activities include computer aided drug designing, new drug discovery, production rugs, and drug analysis.

8.11.2 M. Pharm. (Industrial Pharmacy)

This course is fully dedicated to the academic needs of pharmaceutical Industry. Knowledge of all important pharmaceutical fields is duly covered in the curriculum. The students are trained in all important areas like quality assurance, drug regulatory affairs, pharmaceutical packaging, formulation development, process development, and

industrial management through practicals, seminars, and industrial projects. The Labs are equipped with all advance equipments and facilities needed for carrying out research experiments. Participation of senior experts from pharmacy industries in the course coverage and examination evaluation is a routine practice. The major areas of current research interest are novel drug delivery systems, formulation design and development, nanovesicular drug delivery systems, stability and solubility enhancement.

8.12 Applied Physics and Optoelectronics

The department has been offering M. Sc. (Applied physics) since 1969 and M.Tech. (Optoelectronics) with specialization in Optical Communication since 1995. The department is offering M.Tech. (Quantum Computing) since the academic year 2022-23. The well-maintained laboratories' with ultra-modern equipment in the areas of Lasers, Fiber Optics, Optical Communication, Holography, Nanoscience and Nanotechnology are among the best in the country offering M.Tech. programmes. Experimental R&D labs have been developed for Ph.D. programme.

The department has been running a number of collaborative programmes at national level with RRCAT-Indore, BARC-Mumbai, CSR-DAE-Indore, Quanta Laser-Indore, Light Guide Optics-Indore, etc. Several research projects are funded by DST, CSIR, UGC, NPMASS, MPCOST, ICMR and DBT with a large number of full time research fellows are either completed or being conducted successfully in the department. In the last five years (2016-2021) 8 Ph.D. are awarded in the area of Biomedical instrumentation, MEMS device fabrication, Quantum Computing and Fiber Optic Sensors. At present six (06) students are pursuing for their PhD from the department. The research group publishes large number of research papers in leading International Journals of USA, UK, Japan and Germany. The PG Students are encouraged to take up their major project works at leading national institutes and R&D organizations like IISc, IITs, CEERI-Pilani, CSIR, Chandigarh, DRDO and RRCAT etc.

The current areas of research include semiconductor Nanotechnology, Laser physics, coherent Laser spectroscopy, Nonlinear optics, Fiber Optics and Integrated Optics. The department generated a revenue of about Rs. 6.00 lacs via testing and consultancy services during 2019-20.



8.12.1 M. Tech. (Quantum Computing)

The programme has been designed keeping in view the national technical manpower requirement in the new thrust area “Quantum Computing”. The course offered includes subjects such as Quantum Algorithms, Quantum Machine Learning, Quantum Artificial Intelligence, Quantum information systems, cryptography, e-security, Nonlinear Optics, Optical Instrumentations, Integrated Optics, Optical Network and nanophotonics. The successful students find job potentialities both in Public sector and Private Organizations including the National R&D Laboratories like BARC, RRCAT, DRDO, CDOT, ISRO, DWave, Microsoft, Qiskit etc. the course contents are continuously updated with active participation of Scientists from CAT- Indore, IIT Delhi, DAVV-Indore and IUC (DAE-CSR) Indore.

8.12.2 M. Sc. (Applied Physics)

The Applied Physics programme is offered since 1971. More than 500 students are graduated from this program. The department provide the students with in-hand experience and training of modern day thrust areas like Lasers and applications, Optical communication, Quantum Communication, Nanoscience and Nanotechnology. The students also need to learn Engineering drawing and workshop practices. Many students work for the one semester project work at Industry or at R&D organizations. The alumni of the program are located at many senior level positions at academia, R&D institutions as well as at Industries. Many of them have chosen a career as an entrepreneurs and succeed. Few old students work as senior scientific officers at ISRO, BARC, DRDO, RRCAT, C-DOT, etc.

The department regularly organises various learning programs such as seminars with eminent speakers, Science day celebrations, conferences as well as faculty development programs. The students actively participate in the programs organised with Indian Physics Association, Indian Association of Physics Teachers, Institute of Small and Smart Structures, etc.

8.13 Applied Chemistry

A well equipped department with highly qualified faculty members. They are engaged in high quality research in advanced areas of chemical sciences namely Computer Aided Drug Design, Computational Chemistry, Protein Modeling, Nanotechnology, Environmental Sciences, Synthetic and Analytical Chemistry. All the faculty members possess Doctoral Degree. Among these there are faculty member who have International research experience. Faculty members have published and publishing research papers in journals of International Repute as well presented papers in National and International conferences in India and Abroad.

Teachers in the department are guiding students for their Ph.D. (Applied Chemistry) under the Faculty of Engineering, DAVV, Indore. The department caters to the needs of B.Tech. students and impart knowledge to make them understand the Concepts and Principles of Chemistry applicable to Engineering studies.

The department offers a post graduate programme, M.Sc. (Applied Chemistry) with Specializations in “Fine Chemicals & Drugs” with a unique curriculum which offer a Full Six months dissertation work in the department as well various Research Institutes at National Level. Visit to Industries is also a part of curriculum. Students get placed in Industries as well as Educational Institutes.

The Laboratories of the Department are equipped with Facilities and Instruments to perform experimental and Computational Facilities with Advanced Chemistry Software to perform Molecular Modeling and Drug Design studies. The department also provides Testing services to various Private and Government organizations.

The M.Sc. course is affiliated to DAVV, Indore and is recognized as an approved allied course in Chemistry, PSC, MP.

8.14 Applied Mathematics and Computational Sciences

The department of Applied Mathematics was established in 1956 to teach Engineering Mathematics to all undergraduate courses of engineering. Later, department started the M.Sc. Applied Mathematics course in 1970 with the objective to train students for applying the mathematical concepts in engineering problems. Further, there has been a widespread use of computers in engineering design and scientific research. On account of this, the Governing body of the institute has changed the name of the Department to Department of Applied Mathematics and Computational Science and upgraded the M.Sc. course in 2001 as Applied Mathematics with specialization in Computer Science. The syllabi of the course have been modified with two-fold objectives. The first objective of the course provides in depth knowledge of the core subjects like Computer Architecture, Data Processing and Computation, Object Oriented Programming Systems, Discrete Mathematics, Theory of Computation, Fuzzy Logic, Stochastic Processes etc. which are essential for fundamental research in computer science. The second objective of the course is to train the students to solve engineering problems by simulation, Mathematical Modeling and Numerical methods using computer. Simultaneously, faculties of the department are actively engaged in research activities and guiding many research scholars for their Ph.D. course. The department has produced more than 30 PhDs and more than 500 research papers in national and international journals. The faculty of department has set trends in pursuing quality research in pure and Applied Mathematics. To support the research activities, department is having separate library and computational lab. Department has also conducted several Workshops and Seminars to discuss the various research topics of Applied Mathematics.

8.15 Humanities and Social Sciences

The Department of Humanities and Social Sciences, established in July 2016, is the youngest of all departments in the institute. At present, the Department provides services to various departments by teaching a wide spectrum of subjects at the B.Tech, M.C.A., B.Pharm. and M.B.A. levels. The Department of Humanities and Social Sciences plays a unique and distinctive role in an institute where the ethos of science and technology prevails.

The undergraduate courses taught by the faculty of the Department are aimed at familiarizing the students of science and technology with the broader social, cultural, economic, ethical and humane concerns underlying social change. For this, it runs humanity syllabi. The courses on Technical English and Communication Skills, aim at enabling the students to communicate clearly and with impact, by improving their verbal and non-verbal communication and making them industry ready with enhanced interpersonal and soft skills.

Departmental Initiatives:

Besides the above regular academic services, the Department is also running three subjects in the open category since 2018-19 which are - French Language, Basics of Entrepreneurship and Advanced Entrepreneurship. In addition to this, a new subject, “German Language”, has been initiated in the session 2021-22, for the benefit of the students to enhance the number of languages known to them. The open category subjects on Entrepreneurship run in ICT mode. The E- resources for the subject are provided by institute’s academic MoU partner Wadhvani Foundation National Entrepreneurial Network (WF-NEN). Through these subjects in Entrepreneurship, the Department is constantly motivating and leading the students of the institute in various activities. The reflection can be seen in increasing participation on various platforms like E- Cell, Institute Innovation Council (IIC), SGSITS Innovation and Startup Policy (SISP), Startup Cell etc. This becomes evident through the increase in the number of incubates and the number of entrepreneurial activities in the institute. As a consequence of these activities, the Department was able to conduct two E-Summits in 2019 and 2021 and also an Ideathon in 2020 with 350 participants across Indore in association with E-Cell and Alumni Association of the institute.

Facilities: The Department possesses a well-equipped Language Laboratory. For the fulfillment of its teaching and research goals, the Department has competent faculty members who keep pace with the current developments in their fields of specialization.

English language lab:

The language laboratory caters to the needs of the students to learn, understand and improve language skills. The LL runs with 41 PCs and required software from reputed digital language lab software provided. The lab is occupied 100% of the time. On Saturdays and Holidays, it is available for other users.



The Department has the unique role in complementing and enhancing the scientific spirit and technical knowledge with the humane and social values.

8.16 Central Library

The Institute's Central Library has earned the status of the biggest college library in Madhya Pradesh in the field of technology and science education with 108054 Books and more than 10500 Standards, Reports, Thesis and Back Volumes. It is full flagged with good quality of high cost standard reference and text books, world reputed International and National research journals, thesis, project reports, audio/visual and electronic learning resources in all disciplines of technical education. It also contains the literature of social sciences and humanities. Beside the Central Library there are departmental libraries of different teaching departments to satisfy departmental need of literature.

The central library has separate three-floor building. It has six major separate sections for Administrative and Circulation operations, Textbooks collection, Book-Bank collection, Reference collection, Journals, Thesis and Reports Collection and Computer section for digital resources. The reading facility has been provided in all sections. Library is completely automated. Library has 43 computers, 3 servers, Printers Scanner, Library LAN, Campus Wide Networks (CWN) and associated infrastructure for access of digital resources. Library has a good collection of electronic resources as well. All electronic resources (e-books, e-journals and Video lectures, etc.) are provided on the Campus Wide Network (CWN) through NAS server. Beside the CDs, Library also purchases approx. 15000 e-journals of IEEE, ASCE, ASME, Springer, Elsevier, Bentham, McGraw Hill, Web of Science, INFLIBNET – NLIST, DELNET etc. and

approx. 135000 e-books covering the field of Engineering, Sciences, Technology and Social sciences.



These all e-resources are available on Campus Wide Network (CWN) through IP based access and also on the out of Campus through Remote Access platform. The Libsys International Library software with Web OPAC facility is used for house-keeping

operations of the library. On-line Public Access Catalogue (OPAC) of library collection has been provided to user to update their information regarding the holdings of the library resources.

8.17 Central Workshop

Central Workshop is the biggest workshop among the engineering colleges situated in MP having all-round facilities for student learning and for developing their Projects of varying fields with a well-trained team of around 20 staff having proficiency in different fields.

In the Central Workshop various facilities are available for all BE I st year and IInd year, IIIrd year , IVrth year Industrial and Production Engg. and Mechanical Engg. Student and ME student of IEM, CIM and CAD-CAM for research work.



8.17.1 Various facilities are available in Central Workshop

1. Machine Shop: Various machine tools are available in machine shop:

- a) Lathe machine: - Central Lathe, Capstan Lathe, Bench Lathe and CNC Lathe
- b) Drill machine: - Vertical Drill Machine, Radial Drill Machine and Bench Drill Machine
- c) Grinding Machine: - Surface Grinder, Cylindrical Grinding, Tool and Cutter Grinder and Tool post Grinder

d) Milling machine:- Universal Milling Machine, Vertical Milling Machine and CNC Milling

e) Shaper Machine, Planner Machine and Bend Saw.

2. Fitting Shop: Various machine tools and machine are available:

Bench Drill Machine, Bend Saw, Column Type Drill Machine, Fly Press, Power Press and Shear Cutter.

3. Welding Shop: Various welding machine and instruments are available:

Electric Arc Welding, TIG, MIG, Gas Welding Tool Post Grinder, Welding Generator

4. Smithy Shop: Various machines and equipments are available:

Forge Furnace, Grinder Cut Off Wheel, Hand Shear Cutters, Anvil, Square Block and Hammers.

5. Carpentry Shop: Various wood cutting machines and equipments are available

Universal Wood Cutter, Thickness Wood Planer, Tool Post Grinder, and Jig Saw.

6. Foundry Shop: Various moulding machines and furnaces are available:

Shell Moulding, Co₂ Moulding, Vacuum Moulding, Sand Muller, Pit Furnace and Oil Fired Furnace.

8.18 Computer Center

Computer Centre is an important component of a technical institute. Computer Centre at Institute has two well equipped labs with state-of-the-art computers. It provides computing facilities to all the 1st year students for their programming related practical work and Internet surfing. As sufficient number of computers are available, students get enough time and opportunity to practice and strengthen their programming skills. Facilities are also used for conduction of programming labs for students of higher classes of various branches, conduction of on-line tests for various companies that come to the institute for recruitment, facilitates for online registration, exam form filling etc. Computer Centre has also been offering services to various departments of the institute in maintenance of their computer systems and peripherals. The department also conducts various workshops for computer literacy and DTP for class III & IV employees of Institute. Additionally skill development courses under MMKVY/MMKSY are also

conducted at this facility for serving the society. This department serves computational needs of various departments in the institute.



9. TRAINING AND PLACEMENT CELL

SGSITS Indore is a preferred destination to recruit from, for a large number of companies. We feel validated in the quality of education and experience we provide to our students when a majority of our students are successfully placed on campus. Each of our programmes are designed to give our students a balanced education with theory as well as practical knowledge. In addition, they are encouraged to participate in extra-curricular activities as it helps them develop soft skills and develop well rounded personalities. It is this that differentiates our students and makes them a valuable part of any company they join.

Many students from SGSITS Indore have achieved their dream career start.

Salient Features of Placements:

- * Highest CTC Offered - INR 44.5 LPA
- * National & International Placements
- * Industry Leaders Interaction
- * Regular Employability Skills Assessment
- * Inhouse Training for Employability Skills Enhancement

RECRUITER'S BANNERS

Engineering



RECRUITER'S BANNERS



RECRUITER'S BANNERS



RECRUITER'S BANNERS



RECRUITER'S BANNERS



Management



RECRUITER'S BANNERS



RECRUITER'S BANNERS



Pharmacy



10. STUDENT ACTIVITY

Apart from academics students of SGSITS spend their leisure time in activities that help them in total personality development. These activities have been related to professional club activity, cultural and literary activity and activities related to sports and gymnasium.

10.1 Professional Student Club Activities

Faculty of SGSITS has been proactively associated in many professional clubs/chapters/sections of IEEE, IE(I), ISTE, IGE, IWRS, ASE, IPA, IHPA, APTI, SAE, IIF, IIIE, CSI etc. Faculty has also been encouraging students to open student chapters of professional club in the institute. These clubs are managed by the students and they organize various event related to their discipline. This provides student the industrial exposure and help in developing managerial and entrepreneur skills. Some of these clubs are as following:

10.1.1 Computer Club: Computer Club is a technical club housed by the Department of Computer Engineering with an aim to build a community of like-minded tech enthusiasts. The club provides exposure to upcoming technologies and opportunities to learn fundamental practical skills that are often not included in curricula. The club team is working towards growing a diverse, inclusive, and passionate community of Computer professionals. The club community regularly organizes a variety of events such as upskilling workshops, bootcamps, coding contests, and expert talks. With its contribution in building a strong tech community, the computer club is the only club of the college which got a grant in aid of Rs. 1 lac under AICTE-SPICES for the year 2021-22 for promoting interests, creativity and ethics among students.

10.1.2 SGSITS Robotics Club (SRC): SRC is the official robotics club of SGSITS. It comprises of the students of different branches who are fascinated by real life engineering challenges and look for creative solutions for those issues.

Robotics is not just about building and programming robots, it means a lot more. It is an intervening of mechanical balance, electronic gateway and algorithm designs. It

touches all disciplines of engineering. SRCians are taught how to design, program, modify, get to the root of problems and overcome challenges.

Skills such as critical thinking, decision making, public speaking, being able to work in a team and creative thinking are important for a student's life in the present and the future. SRC promises to get students acquainted with real life engineering challenges and allow them the freedom of looking into creative solutions for these issues.



10.2 Cultural and Literary Activities

10.2.1 Club Ojaswa: Club Ojaswa is the official personality development club of the Institute. The club attempts to bring out the potential talents and skills of students to make them the vanguards of the upcoming generations. Club is regularly conducting various interesting events, expert talks and competitions for the students. The club activities are targeted to emphasize on evolving and grooming soft skills of the student participants. The club goes all the way to simply make individuals realise their abilities

and gives them a platform to showcase them. In recent years, Club Ojaswa has come up with many 'first ever events' like TEDx SGSITS and GS-MUN'21. TEDx SGSITS was an extravagant event with big names and even bigger experiences. The theme of this event was 'Impetus: The driving force'. The speakers shared the driving force behind their success and the choices they made for being the individuals they are today. GS-MUN'21 was held in the form of a two day conference. Apart from these major events, Club Ojaswa organized events like Concordia: Eos of Life and Whipsmart which were held on Instagram.

10.2.2 Club Kshitij: KSHITIJ, the cultural club of SGSITS, Indore, established on 7th February, 2015.

“Where academics meet aesthetics!" This club makes students preach their talent so that they could eke out the most from their life. It builds a kind of nexus among students, to share, learn, and grow”.

Since its beginning, it has been a platform that promotes cultural values amongst the students of our institute through various channels. Through this club, we elevate and invoke the cultural and musical trends as well as the talents of youth.

The cultural club of the college skips beyond just being a club and becomes a feeling, it brings out the artistic best of the students of the institution. Apart from bringing out the cultural talent in the students, Club Kshitij also helps in personality development of its members by helping develop skills like team work, leadership, event management and many more. The club gives the students a real life experience of working for development and improvement of events. With students of all years coordinating to bring out the best in each other.

With its each event Club Kshitij stands out among all others, delivering a spectacle to behold!

VISION: A place to cultivate excellence through art forms like Dance, Drama, Music and every other aspect of a performer, where education and passion are interwoven and support each other, identifying and defining talents and enhance creativity. For us growth is multidimensional and thrive to achieve it

ACHIEVEMENTS

National Level:

1. Selected in RGPV Cultural Team for 35th Inter University Central Zone Youth Festival 2019 held at Jiwaji University Gwalior, collaboration with Association of Indian Universities (AIU), New Delhi. Date: 17-22 December 2019
2. State level Music Competition, Date:12th Dec 2019, organised by RGPV Bhopal, at TIT,Bhopal, Received first position Group singing competition and shastriya gayan
3. Indore Nodal collegiate Singing Competition: Organised by Chameli Devi Group of Institute Indore (CDGI), Received first Position in group song



10.2.3 Club Pratibimb: Pratibimb-The Reflection of Art is the official Fine Arts and Photography Club of SGSITS, Indore. The main motto of the club is to promote art amongst the students of the college by organizing world-class events and workshops by

the oracles in the field. The club is working under the guidance of Prof. D. S. Ajnar and Mr. Alex Kutty.

The club successfully managed to organize various events virtually during the pandemic period. Some of the highlighting events conducted in last session were:

Vista: Game of Perspectives, in which the participants had to click a photograph or make an art using a real life object. The event portrayed the perception of different people towards quotidian objects.

Painting Kickstarter Workshop: It was an online workshop in which our club's artists gave a walkthrough in the world of art. The attendees were taught to implement various shading techniques using watercolours and acrylic colours on canvas as well as on watercolour sheet. The workshop had active participation from various age groups including our alumni and young art enthusiasts along with a Q&A session followed by the live demo.

Scribble Story: It was all about creativity and imagination, giving opportunity to the participants to showcase their ingenuity. The participants had to compose an art piece using the already provided, geometrically defined, curves/ shapes.

Pratibimb aspires to encourage the art and passion within individuals. Bestowing our college a global recognition in this field, the club approaches to bring out the hidden talent of the students, to provide them a platform to showcase their creativity and imagination at its best and thus help them seek a creative outlet along with the academic schedule.



10.3 Games & Sports

“Sport is the principle of competing against oneself, its about self-improvement, about being better than what we were the day before”.

Sports is like a ballet dancing. It requires a lot of control, strength, mind play and measured movements, it is a great way to de-stress and chill out after a hard day's work.

Physical recreations through games and sports have always been an important part of the Institute since its inception. Games like Football, Cricket, Badminton, Volleyball, Throw ball, Basketball, Netball, Chess, Table Tennis, Kho-kho, Kabbadi, Athletics, Handball, carom, Lawn tennis, Yoga, Aerobics, weight training, weight Lifting and Cycling are played in regular practice with great enthusiasm and sportsman spirit.

Annual Sports Meet “Varchasva” (Inter branch Tournaments) is organized every year for promotion Sports activities in students, interaction amongst various department and to pick up sporting talents for the institute teams.

The department also organized various Sports tournaments for Teaching & non Teaching Staff for building harmonies atmosphere.

The Institute organizes Marathon Race every year to promote a give them of Social massage.

The department was “Sports nodal Centre of RGPV Bhopal” for Indore region since the grouping of engineering College of whole state into Nodal Zones by RGPV Bhopal and has organized many tournaments at inter collegiate nodal Level and State level and that tradition is continued every year until now.

Since 1960, Our players have glorified the name of SGSITS by winning number of awards, trophies and shields at National level, State level and at Nodal level. The distinguished players of our Institute have been selected at University level, State level & National level.

Our students have also brought laurels to institute in many national tournaments organized by IIT Kanpur, IIT Indore, NIT Surat, BITS Goa and LNMIT, Jaipur etc.

The Institute is Institutional members of Madhya Pradesh Cricket Association. The Institute has been affiliated to Indore Division Cricket Association.

10.3.1 Details of Sports Facilities Available:

Indoor facilities of Sports

S. No.	Name of the Game	Facilities Available	Remark
01	Badminton	03 Court with Wooden Surface	With Floodlight & according to International norms
02	Table Tennis	04 T.T. Table with wooden Surface	With Floodlight according to International norms
03	Gymnasium (Weight Training Hall)	Top branded equipments with 01 Specific Gym. Trainer	With Floodlight
04	Aerobics	01 Hall with 01 Specific Aerobics Trainer	With Floodlight & Music system
05	Yoga	01 Hall With 01 Yoga Specific Trainer	With Floodlight & 50 Carpets
06	Carom	08 Carom Board	With Floodlight Hall
07	Chess	15 Chess Board	With Floodlight Hall

Outdoor facilities of Sports

S. No.	Name of the Game	Facilities Available	Remark
01	Cricket	01 Ground	With Floodlight & Turf Wicket
02	Cricket Practice Pitch	02 Cemented Pitch 02 Turf Pitch	With Floodlight & Covered by Net
03	Football	01 Ground	With Floodlight
04	Basketball	01 Court	With Floodlight
05	Volleyball	02 Court	With Floodlight
06	Throwball	01 Court	With Floodlight
07	Lawn Tennis	01 (Deco turf court)	With floodlight
08	Handball	02 Court	With Floodlight
09	Kho-Kho	01 Ground	With Floodlight
10	Kabbadi	01 Court	With Floodlight
11	Netball	02 Court	With Floodlight
12	Cycling	10 Cycle	-
13	Badminton	01 Clay court	With Floodlight





10.4 NCC

AIMS OF NCC

- NCC aims at developing character, comradeship, discipline, secular outlook, the spirit of adventure.
- Ideals of selfless service amongst young citizens.
- To Create a Human Resource of Organized, Trained and Motivated Youth.
- To Provide Leadership in all walks of life and be always available for the Service of the Nation.
- To Provide a Suitable Environment to Motivate the Youth to take up a career in the Armed Forces.

NCC@SGSITS

- 9 MP Battalion Armed Unit has been started in our Institute in August 2013.
- The Associate NCC Officer (ANO) of the Institute is Lt. Dr. Manish Jaiswal who has been serving consistently for NCC SGSITS right from the start. He got the rank of Lieutenant by attending the very tough training of 3 Months at OTA, Kamptee.
- The Institution was allotted total 106 cadets (SD & SW) in which there are now 36 cadets enrolled as per the rules. The cadets are given 'B' and 'C' level certificates as per their performances.
- The recruitment of Senior Wing commenced in 2014.

CAMPUS ACTIVITIES

SGSITS NCC unit organizes various Campus level Activities repeatedly, such as-

1. Guard of Honor & Piloting

Our Cadets perform Guard of Honour to pay respect to the Chief Guests and our nation on Republic Day. It reflects the Passion of the cadets for their nation and Unity amongst each other. On the occasion of Republic Day and Independence Day cadets escort the Chief Guest through the entire programme in the most humble and disciplined way.

2. Piping Ceremony

NCC SGSITS organizes the Piping Ceremony every year for conferring Honorary Ranks to carry the legacy forward. In this Investiture Ceremony, the ranks are given by Dean Students welfare & Associate NCC officer of the institute.

3. Republic Day Parade

On every Republic Day, Cadets in their full uniform and with all the pomp take part in Parade and Guard of Honor in front of the Director's Office.

4. Induction Programme

NCC SGSITS conducts its Session every year in the Induction for the fresh newbies in which we introduce them with NCC. Also queries are cleared if raised, making it Two-way Interactive Session.

5. Recruitment

- Written test- This is a Screening Test, this test includes questions to examine applicant's General Intelligence and Awareness. It also has questions based on NCC and Indian Armed Forces.
- Physical test- This Test is conducted to see whether applicant is physically capable of enduring the training. This test is a battery of physical exercises containing pushups, endurance run, etc.
- Personal Interview (PI) - The shortlisted candidates are called in for an Interview. Interview comprises of question to check candidate's Personality and Psyche, and to find out whether he or she is Mentally Fit for the further training.

6. Tree Plantation

Trees have greatly contributed for mankind. Plantation Drive is conducted every year on World Environment Day and on other suitable occasions frequently by our cadets.

7. Swachh Bharat Abhiyan

To support the "Swachh Bharat" campaign the NCC cadets once in a while work for the waste management and cleanliness of the Campus.

8. Blood Donation

Various cadets of NCC SGSITS volunteered to donate their blood for the service of people. The cadets aimed on spreading awareness amongst the crowd that 'Blood Donation is not just about giving blood but, it is an act of kindness that saves the life of hundreds of people'.

9. Volunteer-ship

NCC cadets Volunteers in various college activities and sports activities as when required. As the sincere and responsible youth of Nation-

- Our cadets performed mini Marathons against Drug abuse and illicit Trafficking.
- Our cadets organized Cycle Rally to support the "Save Fuel and Use Cycle for Good Health" Campaign.
- NCC SGSITS cadets volunteered in Road Safety and Traffic Rules Awareness Programme.

NON-CAMPUS ACTIVITIES

For the overall development of cadets, NCC takes the responsibility to bring a positive change in physical, environmental, social and cultural growth of an individual by conducting various activities, such as-

1. NCC Camps

The most fascinating part of NCC is its Camps. NCC organize various camps like RDC, TSC, YEP, CATC, ALC, NIC, Trekking, ATC, Army attachment etc. at national level. The cadets from our college were selected for following camps- Tirupati (Trekking), Chamba UK (NIC), Sagar (Army Attachment Camp), Shillong (Trekking), Chennai (NIC), Coimbatore (ALC), Gwalior (Army Attachment Camp), Agra (Army Attachment Camp)

By attending these camps the cadets get a chance to visit various places and to learn cultural and traditional diversities of the country. They get a chance to explore and enhance their hidden social and cultural qualities.

2. Online Cultural events

- USTAD: It was a Video making Competition which reflected organizational skills and creativity, patience and high level of dedication.
- SPEAKUP: NCC SGSITS provided an opportunity for the cadets to showcase their interpersonal and oratory skills.
- AIKYAM: On the occasion of Republic Day NCC SGSITS held an online event of Cultural Program in which cadets performed all sort of activities enthusiastically.
- KALPNAAMA: Apart from cultural and social development of cadets, NCC SGSITS gave the opportunity to enhance one's creative skills and rational thinking. Kalpnaama was the event which requires a systematic and organized thinking process in various situations.

3. Career Oriented Motivational Drive

Air Force Officers came to SGSITS to enlighten the cadets about the opportunities at Indian Air Force and how they can opt different fields of interest as career in IAF services.

4. Sports Achievements

- RGPV State Level Yoga Competition: RGPV organized a State-level Yoga Competition in Malwa Institute of Technology and Science in which teams from various nodal of the state participated. Our NCC unit participated on behalf of Indore nodal and secured First Position.
- Guard of Honor Competition: 9 MP BN NCC organized the competition in which our college secured First Position.
- State Level Athletics Championship: In Inter-college state level athletics championship Corporal Nikhil Singh bagged many medals for the college. He was awarded as the overall Best Athlete.
- State level Volleyball Tournament: CQMS Rajnandinee Gokhe and her team represented RGPV University, Bhopal for Nodal level Volleyball Tournament held at Sagar. She was the booster (netter) of the tournament and had been selected for University.
- National Cycle Polo Championship: This National-level competition was held in Nagpur, in which cadets of NCC SGSITS participated and bagged awards for the state.

- Athletics Meet 2019-20: Cadets of NCC SGSITS participated in athletics nodal held at JIT Borawan. Some of our cadets secured good positions- Nikhil Singh (Best Male Athletics Award), Harshit Uikey (first position in 10 km and 20 km), Urvashi Sarda (second position in long jump).
- Rifle Shooting Competition: UO Jaideep Verma achieved silver medal at Rifle Shooting competition held at IPS academy.

5. Excursion

Our cadets went for a trip to Ralamandal, Indore. It helped them to foster better mental health and cherish bonding time with each other.

6. Examinations

• B certificate

After two years of training, several sessions by PI staff posted at battalion and attending two annual camps, cadets are eligible for B certificate exam. The exams comprises of Practical Test and Theory Paper. Practical exam consists of Drill Test, Weapon Training Test and other Army Specific Subject Tests. And the theory paper is based on the common subjects like History and Structure of NCC and Indian Armed Forces, National Integration, Social Awareness, Environment, Drill, etc.

• C certificate

The final examination of C certificate is held after three year of training and is same as B certificate exam, consisting of two papers, i.e. Theory and Practical.

NCC SGSITS SOCIAL MEDIA PLATFORMS

NCC, being the largest youth organization has reached to youth not only through schools and colleges, but Social media platforms such as Facebook, Instagram, etc. also played a great role in this. We believe our Insta page (@nccsgsits) always remained our main tool to aware the fresher year's with joining the college's prestigious organization. Also we have our YouTube channel (NCCSGSITS) showcasing glimpses of all our events and videos made by our own cadets. Through our social media pages we have achieved our goal of spreading the same energy in our college's Youth constantly with JOSH of our cadets.



10.5 NSS

The National Service Scheme (NSS) is started by the Government of India, Ministry of Youth Affairs & Sports, in 1969. The NSS provides diversified opportunities to students to develop the social responsibility, awareness and self discipline and overall personality development through community services and programmes. Community services rendered by NSS Volunteers have covered various aspects like promotion of child education, health awareness, Blood donation, HIV awareness programme, environment protection and plantation activities, cleaning awareness programmes, Nukkad Natak, awareness regarding Govt. Welfare Scheme, adoption of villages, One Day and Seven Days Camp (SDC) in the village. The seven days Camp is organizes for intensive development work, technology awareness programmes, technologies for rural development, and to conduct various training programmes for self-help groups and rural youth etc. The SGSITS Indore NSS Unite is affiliated with the DAVV, Indore. Total 100 seats for Boys and Girls students are available. After completion of successful two year of NSS volunteership, students can get NSS 'B' level certificate and completion of third year of volunteership, they can get 'C' level NSS certificate. At east 120 hours activities per year are compulsory to appear in the NSS annual review process of the volunteers

for the award of the certificate. Currently Dr. B. K. Tiwari is the NSS Programme Officer in the Institute.



11. R&D AND INDUSTRY INTERACTION

S. No.	Name of PI/ Co-PI's	Title	Funding agency	Sanctioned Date Duration	Grant Amount INR
Biomedical Engineering					
1	Chandrakant Singh Tekam	Design and development of PEMF chamber for treatment of neuro inflammation and cognitive impairment in rats	NPIU-MHRD	July 2019 1 year	16.18 lacs
2	Saksha Shinde	Feature extraction for pathological image analysis	NPIU-MHRD	July 2019 1 year	4.85 lacs
Civil Engineering					
3	Dr. Mrs V. Tare	Performance assessment of roads constructed using plastic wastes	NRIDA New Delhi PMGSY	Aug. 2020 2 year	20.5 lacs
4	Dr. Mrs V. Tare	Performance assessment of roads constructed using cold mix technology	NRIDA New Delhi PMGSY	Aug. 2020 2 year	20.5 lacs
5	Dr. Mrs V. Tare	Performance Evaluation of Cement Concrete Pavements in Rural Roads	NRIDA New Delhi	April 2022 1 year	22.96 lacs
Applied Physics & Optoelectronics					
6	Dr. J.T. Andrews	Design and fabrication of integrated OCT on a chip	AICTE-RPS	Nov. 2019 3 yrs.	12.00 lacs
7	Dr. J.T. Andrews	Design optimization and fabrication of integrated optical coherence tomography on a chip	SERB-DST	Apr-2019 3 yrs	38.00 lacs
8	Dr. Gireesh Soni Dr. S. Kumbhaj	Investigation of performance enhancement schemes for rain interrupted optical wireless links	CRS-NPIU (TEQIP)	June 2019 1 year	18.92 lacs
9	N Gupta, F Aziz, G G Soni, Rajesh Kumar	Study of Growth & Spin dynamics of Orthoferrite RFeO ₃ (R-Rare earth) nanoparticles for spintronic ap	ACITE-NPIU	June 2019 1 year	18.18 lacs
Applied Chemistry					
10	Sonam Mandani, Nitish Gupta	Conversion of waste plastic into carbon nanomaterials and their application in water purification	NPIU, AICTE	June 2019 1 year	12.2 lacs
Electrical Engineering					
11	Shailendra Sharma	Modelling and Control of Grid Integrated Photovoltaic Supply System	IIT, Indore Under TEQIP III	Nov 2019 2019-20	1.25 Lakhs
12	Shailendra Sharma	Analysis, Design and Control of Power Electronics Converters for Grid Integrated single-phase Solar Rooftop System	MPCST, Bhopal	July 2018 2018-21	9.62 Lakhs
13	Arun Parakh	India Leadership & Management Programme under the scheme of UKIERI-AICTE Technical Leadership Programme.	AICTE & Dudley College of Tech. UK	2020-21	
14	T. R. Saini	Development of novel chemically engineered chitosan based tumor-	AICTE	2019 3 years	12.80 lacs

		targeted nanoparticles as a platform drug delivery carrier in cancer diagnosis and therapy (Theranostics).			
15	Vineet Singh	Design, synthesis and biological evaluation of Bcr-Abl inhibitors active against wild and mutant Bcr-Abl tyrosine kinases	SERB-DST	Eeb. 2020 3 years	18.30 lacs
16	Puneet K. Samaiya	Design and development of PEMF chamber for treatment of neuro inflammation and cognitive impairment	NPIU-TEQIP	June 2019 1 year	16.18 lacs
Mechanical Engineering					
17	B M Dhakar, V Pare, RS Yadav, S Chatterjee	Fabrication of Hybrid Metal Matrix Composites Using Vacuum Stir Casting and its and Characterization	NPIU-AICTE	June 2019 1 year	17.70 lacs
18	P. Gangsar, M Chouksey	Development of a flexible fault diagnosis technique for Induction motor based on Artificial intellig	NPIU-AICTE	June 2019 1 year	12.9 lacs
19	Vinod Pare	High strain behavior and constitutive modeling of aluminum alloys	SERB-DST	Mar-2021 3 yrs	45.0 lacs
Industrial and Production Engineering					
20	K.K Dhakar	Entrepreneurship Awareness Camp (EAC)	DST-NIMAT		0.2 lacs
21	R S Yadav	Fretting Fatigue and Fretting Wear Behavior of Titanium Foam under Simulated Body Fluid Environment	MHRD, New Delhi	June 2019 1 year	19.38 lacs
22	Anil Sharma	Investigation of mechanical and environmental properties of Bamboo fiber reinforced polymer matrix composites fabricated from compression molding and injection molding process	MHRD, New Delhi	June 2019 1 year	11.42 lacs
23	K.K. Dhakar	Development of portable near dry electric discharge machining	MHRD, New Delhi	June 2019 1 year	8.94 lacs
Computer Engineering					
24	Swarnim Soni Surendra Gupta	Brain MR Image Registration using Deep Reinforcement Learning	CRS, TEQIP-III NPIU	June 2019 2 year	17.5 Lacs
25	V Shrivastava Vandan Tewari	Computer Engineering	CRS, TEQIP-III NPIU	June 2019 2 year	7.73 Lacs
Electronics and Instrumentation					
26	D. K. Mishra, Rajesh Khatri	Special Manpower Development program chip to system design	MIETY, Govt. Of India	Sep 2016 5 Year	1.66 Cr

Head of Departments (HODs)

1. Civil Engineering:	Prof. S. M. Narulkar
2. Electrical Engineering:	Prof. Arun Parakh
3. Mechanical Engineering:	Prof. B.R. Rawal
4. Industrial & Production Engineering:	Prof. R.C. Gupta
5. Electronics & Telecommunications:	Prof. A. Jain
6. Electronics & Instrumentation:	Prof. P.P.Bansod
7. Computer Engineering:	Prof. Vandan Tewari
8. Information Technology:	Prof. K.K. Sharma
9. Management Studies:	Prof. G.D. Thakar
10. Bio-Medical Engineering:	Prof. P.P. Bansod
11. Applied Mathematics:	Prof. Smita Verma
12. Applied Physics:	Prof. J.T. Andrews
13. Applied Chemistry:	Prof. Nitish Gupta
14. Humanities and Social Sciences	Prof. Neeraj Jain
15. Pharmacy:	Prof. Meena Tiwari

Wardens

1. Dr. B S More	Chief Warden
2. Dr. B K Tiwari	M Visvesvaraya & C.V. Raman Boys Hostel
3. Shri Suresh Paswan	M Visvesvaraya & C.V. Raman Boys Hostel
4. Dr. Manoj Chouksey	H Bhaba Boys Hostel
5. Shri Ravi Jatola	H Bhaba Boys Hostel
6. Dr. Vipin Kaushik	J C Bose Boys Hostel
7. Dr. Sharad Pandey	J C Bose Boys Hostel
8. Mrs Megha Kuliha	Sarojini Naidu Girls Hostel
9. Dr. Sarla Chouhan	Devi Ahilya Girls Hostel
10. Mrs. Neha Patkar	Devi Ahilya Girls Hostel

Admission and Examination Section: Shri Deepak Sharma (Registrar)

Account Section: Shri Bhushan Londhey (Account Officer)

Section In-charges

1. Store Section: Prof. M.D. Mahajan
2. Electrical Maintenance Cell: Prof. Sukhlal Sisodia
3. Exam Controller: Prof. Sudhir Tiwari
4. Central Workshop: Prof. S Purohit
5. Computer Center: Prof. Vandan Tewari
6. Training & Placement: Mr Rohit Anchaliya
7. Central Library: Dr. B K Tiwari
8. Guest House: Prof. Ravi Jatola
9. Sports Section: Prof. V. Rode
10. Cultural and Literary Activities: Dr Sekhar Sharma

A3: INSTITUTIONAL SETUP

Table A1: Composition of the Academic Council

S. No.	Name	
1.	Director	Chairman
2.	All Deans of the Institute	Members
3.	All the Chairmen, B.O.S.	Members
4.	Professor In-charge PTDC	Member
5.	One Professor from each department (by Rotation)	Member
6.	One Associate Professor from each department (by Rotation)	Member
7.	One Assistant Professor from each department (by Rotation)	Member
8.	Training & Placement Officer of the Institute	Members
9.	Controller Exam.	Members
10.	Three Nominees from the University (RGPV, Bhopal)	Members
11.	One Nominee from AICTE	Member
12.	Nominee of MHRD	Members
13.	Director of Technical Education	Members
14.	Four Members Nominated by the GB of the Institute	Members

15.	Two Representatives from PG Students	Members
16.	Two Representatives from UG Students	Members
17.	One outstanding student from sports	Member
18.	Representative Women Student	Member
19.	Registrar	Secretary/ Non Member

Table A2: Composition of Departmental Boards of Studies

S. No.	Name	
1.	Concerning Head of Department	Chairman
2.	All the faculty members of the Department (having experience of 3 years in the Institute)	Members
3.	Two External Members	Members

Table A3: Composition of the Standing Committee of Academic Council

S. No.	Name	
1.	Director	Chairman
2.	Dean Academics	Member
3.	All the Chairmen, Boards of Studies	Members
4.	Professor In-charge PTDC	Member
5.	Two Senior most Professors of the Institute other than Sr. No. 2 & 3	Members
6.	One Senior most Associate Professor	Member
7.	One Senior most Assistant Professor	Member
8.	Controller Examination	Member
9.	One University Nominee (RGPV, Bhopal)	Member
10.	One P.G. Student	Member
11.	One U.G. Student	Member
12.	Registrar	Secretary / Non Member

APPENDIX B: TEACHING AND NON-TEACHING STAFF (DEPARTMENT WISE)

CIVIL ENGINEERING AND APPLIED MECHANICS DEPARTMENT

Professors:

Prof. Vijay Rode	Ph. D.	Prof. H. K. Mahiyar	Ph. D.
Prof. S. M. Narulkar	Ph. D.	Prof. Rakesh Khare	Ph. D.
Prof Sunil Ajmera	Ph. D.		

Associate Professors:

Shri Mileen Laghate	M. E.	Shri Devendra Dohare	M. E.
Dr. Sunil Kumar Ahirwar	Ph. D.		

Assistant Professors:

Shri Vivek Tiwari	M. E.	Shri Tarun Kumar Narnaure	M. Tech.
-------------------	-------	------------------------------	----------

Assistant Professors (contract):

Mr. Rakesh Purviya	M.Tech.	Mr Krishna Pratap Verma	M.E.
Mr. Mahesh Chandra	M.Tech.	Mr. Pranav Thepe	M.Tech.
Ms Soumya Saklecha	M.Tech.	Mrs. Iqra Mansuri	M.E.
Ms. Shruti Bhajpai	M.Tech.	Mr. Ajay Rajauriya	M.Tech.
Ms. Suninda Parmar	M.Tech.	Ms. Megha Patel	M.Plan.
Ms. Namrata Khede	M.E.	Mr. Avinash Mishra	M.E.

Technical and Supporting Staff :

Shri Richa Dhaigude (Tracer)	Shri Akshay Rawal (Lab. Technician)
Shri Suresh Murmat (LDC)	

MECHANICAL ENGINEERING DEPARTMENT
Professors:

Prof. (Mrs.) S. Manepatil	Ph. D.	Prof. M.L. Jain	Ph. D.
Prof. R.K. Porwal	Ph. D.	Prof. Basant Agrawal	Ph. D.
Prof. Sudhir Tiwari	Ph. D.	Prof. B R Rawal	Ph. D.
Prof. Vinod Pare	Ph. D.	Prof. B.S. More	Ph. D.
Prof. Manoj Chouksey	Ph. D.		

Associate Professors:

Mrs. Swati Chougankar	M. Tech.	Shri Vinod Parashar	M. Tech.
Dr. Pranabesh Ganai	Ph. D.	Dr. Ashok Atulkar	Ph. D.
Shri Dinesh Kumar Pasi	M.E.		

Assistant Professors:

Shri Ravi Jatola	M.E.	Shri Anil Mulewa	M.E.
Shri Gangaram Mourya	M.E.		

**Assistant Professors
(contract):**

Dr. Balmukund Dhakar	Ph. D.	Mr. Rakesh Singh Thakur	M.E.
Dr. Sumer Singh Patel	Ph. D.	Mr. Gaurav Suryavanshi	M. Tech.
Mr. Rahul Suman	M. Tech.	Mr. Shubham Jain	M. Tech.
Dr. Mangal Singh Lodhi	Ph. D.	Mr. Rahul Singh Mourya	M. Tech.
Mr. Amit Soni	M. Tech.		

Technical and Supporting Staff :

Shri Ravi Soni (Jr. Instructor)	Shri M. K. Joshi (W/s Instructor)
Shri D. K. Joshi (Lab. Tech.)	Shri R. S. Gupta (W/s Instructor)
Shri Piyush Mandloi (Lab. Tech.)	Shri Shailesh Nagda (Lab. Tech.)

ELECTRICAL ENGINEERING DEPARTMENT

Professors:

Prof. Rakesh Saxena	Ph. D.	Prof. H. K. Verma	Ph. D.
Prof. Arun Parakh	Ph. D.	Prof. Sandeep Bhongade	Ph. D.
Prof. Shailendra Sharma	Ph. D.		

Associate Professors:

Prof. MPS Chawla	M.E.	Shri R.S. Mandloi	M.E.
------------------	------	-------------------	------

Assistant Professors:

Dr. Sukhlal Sisodiya	Ph. D.
----------------------	--------

Assistant Professors (contract):

Ms. Khushboo Nagar	M.Tech.	Ms. Himanshi Koli	M.Tech.
Ms. Sheela S. Saini	M.E.	Mr. Harshit Choubey	M.Tech.
Mr. Ankit Singh	M.Tech.	Ms. Richa Sharma	M.Tech.
Ms. Rinki Rajpal	M.E.	Mr. Lokesh Gurjer	M.E.
Mr. Abhishek Dubey	M.E.	Ms. Ritu Saxena	M.E.
Mr. Vineet Mishra	M.Tech.	Ms. Deepti Rai	M.E.
Mr. Anju Dwivedi	M.E.	Ms. Mayuri Sunhare	M.E.
Mr. Shurbhit Surange	M.E.		

Technical and Supporting Staff :

Shri S. Vishwakarma (W/S Instructor)	Shri Alex Kutty (Jr. Instructor)
Shri Tarun Rajore (Lab. Tech.)	Shri Ashok Singh Gehlod (Office Assistant)

ELECTRONICS & TELECOMMUNICATION ENGINEERING DEPARTMENT

Professors:

Prof. (Mrs.) Anjana Jain	Ph. D.	Prof. Shekhar Sharma	Ph. D.
--------------------------	--------	----------------------	--------

Prof. S K Jain	Ph. D.	Prof. L.D. Malviya	Ph. D.
Prof. (Ms.) Anjulata Yadav	Ph. D.	Prof. (Mrs.) Preeti Trivedi	Ph. D.

Associate Professors:

Shri Amit Naik	M.E.	Shri Manish Panchal	M.Tech.
Mrs. Rekha Jain	M.E.	Mrs. Jaya Deepti Lal	M.E.

Assistant Professors:

Shri Ashwin Shrivastava	M.Tech.	Shri Ajay Parmar	M.Tech.
-------------------------	---------	------------------	---------

Assistant Professors (contract):

Dr. Vaishali Naik	Ph. D.	Ms. Deepali Kothari	M.E.
Mr. Shubham Shrivastava	M.E.	Mr. Neeraj Malviya	M.Tech.
Mr. Mohit Khamele	M.E.	Ms. Ritika Nair	M.E.
Mr. Sunil Chouhan	M.Tech.	Ms. Harshita Kushwah	M.Tech.
Ms. Neeta Sharma	M.E.	Ms. Swati Tiwari	M.Tech.

Technical and Supporting Staff :

Ms. Deepti Chouhan (Tech. Astd.)	Shri Pankaj Vyas (Lab. Tech.)
Shri Mahesh Soni (Lab. Tech.)	Shri N. L. Patidar (LDC)
Ms. Mranali Joshi (LDC)	

ELECTRONICS AND INSTRUMENTATION ENGINEERING DEPARTMENT

Professors:

Prof. P.P. Bansod	Ph.D.	Prof. R.S. Gamad	Ph.D.
-------------------	-------	------------------	-------

Associate Professors:

Shri D.S. Ajnar	M.E.	Dr. Rajesh Khatri	Ph. D.
Dr. R.C. Gurjar	Ph. D.	Dr. Gireesh G. Soni	Ph. D.

Assistant Professors (contract):

Ms. Neha Pande	M.Tech.	Dr. Anuj Rawat	Ph.D.
Ms. Tarni Joshi	M.Tech.	Dr. Ahsish Sharma	Ph.D.
Ms. Kirti Bhargava	M.E.	Ms. Deepali Choudhary	M.E.
Ms. Arpita Kadel	M.Tech.		

Technical and Supporting Staff :

Shri A. R. Mansoori (Lab. Tech.)	Mr. N. L. Patidar (LDC)
----------------------------------	-------------------------

COMPUTER ENGINEERING DEPARTMENT**Professors:**

Prof. D. A. Mehta	M.E.	Prof. (Mrs.) U. Thakar	Ph. D.
Prof. Vandan Tewari	Ph. D.	Prof. Anuradha Purohit	Ph. D.

Associate Professors:

Shri Surendra Gupta	M.E.	Shri Rajesh Dhakad	M.E.
---------------------	------	--------------------	------

Assistant Professors:

Ms. Neha Mehra	M.E.	Ms. Priyanka Bamne	M.Tech.
----------------	------	--------------------	---------

Assistant Professors (contract):

Ms. Nikita Tiwari	M.Tech.	Ms. Mamta Gupta	M.Tech.
Ms. Priyanka Kokate	M.Tech.	Ms. Himani Mishra	M.E.
Ms. Ritambhara Patidar	M.Tech.	Ms. Teena Dubey	M.Tech.
Ms. Ayushi Jain	M.Tech.	Ms. Garima Jain	M.Tech.
Mrs. Saloni Jain	M.E.	Ashwini Sharma	M.Tech.

Technical and Supporting Staff :

Shri Sudhir Anwekar (Tech. Asst.)	Shri N.C. Shrivastava (Lab. Tech.)
Ms. Pooja Sindel (Lab. Tech.)	Mr. Sumit Manoriya (Lab. Staff)
Ms. Ashwini Bhandari (Lab. Staff)	Ms Swati Gohar (LDC)

INDUSTRIAL AND PRODUCTION ENGINEERING DEPARTMENT

Professors:

Prof. R. C. Gupta	Ph. D.	Prof. G.D. Thakar	Ph. D.
Prof. Milind Dandekar	Ph. D.	Prof. A. Dalpati	Ph. D.

Associate Professors:

Shri M.D. Mahajan	M.E.	Shri Fakhruddin Ujjainwala	M.Tech.
Dr. Sachin Balsara	Ph. D.	Dr. Atul Modi	Ph. D.

Assistant Professors:

Mrs. Neha Patkar	M.E.	Dr. Krishnakant Dhakar	Ph.D.
------------------	------	------------------------	-------

Assistant Professors (contract):

Mr. Sumit Dwivedi	M.E.	Ms. Angurbala Jayant	M.E.
Mr. Praveen Mimrot	M.E.	Dr. Kumar Rohit	Ph. D.
Mr. Dharendra Prajapati	M.E.	Ms. Mahima Hardiya	M.E.
Ms. Nisha Sahu	M.E.	Mr. Shrivardhan Bhargav	M.Tech.

Technical and Supporting Staff :

Shri Praveen Trivedi (Tech. Asst.)	Shri Praveer Agrawal (Tech. Asst.)
Ms. V. Gunjal (LDC)	Shri Ankur Gupta (Lab Tech.- Contract)

HUMANITIES AND SOCIAL SCIENCES DEPARTMENT

Professors:

Dr. Neeraj Kumar Jain	Ph. D.
-----------------------	--------

Associate Professors:

Dr. Sarika Tiwari	Ph.D.
-------------------	-------

**Assistant Professors
(contract):**

Dr. Madhavi Sharma	Ph. D.	Ms. Savni Choudhari	M.A.
Ms. Bhumika Rawat	M.A.	Ms. Ishita Reja	M.A.
Mr. Siddharth Raj Singh	M.A.	Ms. Anee Pokharna	M.A.

Technical and Supporting Staff :

Shri Praveen Atre (Store Keeper)

INFORMATION TECHNOLOGY DEPARTMENT**Professors:**

Prof. Sunita Varma	Ph.D.	Prof. Lalit Purohit	Ph.D.
--------------------	-------	---------------------	-------

Associate Professors:

Dr. K.K. Sharma	Ph.D.	Shri Mukul Shukla	M. Tech.
-----------------	-------	-------------------	----------

Assistant Professors:

Ms. Sonu Aairen	M.E.	Shri Manjeet Kumar Soni	M.E.
Ms. Megha Kuliha	M.E.	Shri C. P. Singar	M.Tech.
Shri Mukesh Sakle	M.Tech.	Ms. Jyoti Tiwari	M.E.

Assistant Professors (contract):

Mr. Vivek Menon	M.E.	Mrs. Puja Gupta	M.E.
Mr. Upendra Singh	M.E.	Ms. Kavita Lodhi	M.E.
Ms. Neha Agrawal	M.E.	Ms. Deepika Khare	M.E.
Ms. Jasmeet Kaur	M.E.	Mr. Harshit Nema	M.Tech.
Ms. Anjali Rodwal	M.Tech.	Ms. Megha Rathore	MCA
Ms Shweta Gupta	MCA		

Technical and Supporting Staff :

Mr. Arun Kuliha (Programmer)	Ms. Kavita Chirgaiya (Lab. Tech.)
Ms. Sonali Gupta (Lab Technicians)	Ms. Joyti Joshi (Time keeper)

BIO-MEDICAL ENGINEERING DEPARTMENT**Professors:**

Prof. P. P. Bansod	Ph.D.
--------------------	-------

Assistant Professors:

Mrs. Vibha Bhatnagar	M.E.	Mrs. Gouri Gupta	M.E.
Shri Sunny Ganavdiya	M.E.	Mrs. Avni Jain	M.Tech.

Assistant Professors (contract):

Mr. Vinay Manurkar	M.S.	Dr. Hemlata Shakya	Ph.D.
Mr. Atul Narkhede	M.S.	Ms. Maya Makwana	M.E.
Ms. Dhanashree Kulkarni	M.E.		

Technical and Supporting Staff :

Shri Muktibodh Saxena (Lab. Tech.)	Shri Shailendra Jaiswal (Lab. Tech.)
------------------------------------	--------------------------------------

MANAGEMENT STUDIES**Professors:**

Prof G.D. Thakar*	Ph.D.
-------------------	-------

Assistant Professors:

Dr. (Mrs) Anupama Paliwal	Ph.D.	Dr. (Mrs.) Mayura Kemkar	Ph.D.
Dr. Ashish Mahajan	Ph.D.		

Assistant Professors (contract):

Ms. Seema Hussain	MBA	Dr. Mohit Kumar Pandit	Ph.D.
Mr. Nivesh Patel	MBA		

Technical and Supporting Staff :

Mr Ashish Jinwal (Asth. Gr. III)

PHARMACY DEPARTMENT

Professors:

Prof. (Mrs.) M. Tiwari	Ph. D.	Prof. (Mrs.) N. Kawathekar	Ph. D.
------------------------	--------	----------------------------	--------

Associate Professors:

Dr. Vineet Singh	Ph. D.	Shri Suresh K Paswan	M.Pharm.
Dr. Prakash Kumar Soni	Ph. D.		

Assistant Professors:

Dr. P.K. Samaiya	Ph. D.	Shri Gourav Jain	M.Pharm.
Dr. S.P. Pandey	Ph. D.	Dr. Rakesh Sagar	Ph. D.
Dr. Abhishek K Sah	Ph. D.	Shri Shubham Sharma	M.Pharm.
Dr. O.P. Tanwar	Ph. D.		

Assistant Professors (contract):

Mr. Anirudh Padiyar	M. Pharm	Ms. Ruchika Mourya	M. Pharm
Ms. Anjali Jain	M. Pharm		

Technical and Supporting Staff :

Shri Sunil Shastri (Lab. Tech.)	Shri Pankaj Mishra (Lab. Tech.)
Shri Nilesh Bhatt (Lab. Tech.)	Shri Manoj Purohit (Asst. Gr.-III)
Shri Vilas Patil (Lab. Tech.-Contract)	

APPLIED PHYSICS AND OPTOELECTRONICS

Professors:

Prof. J.T. Andrews Ph. D.

Assistant Professors:

Ms. Nidhi Oswal M. Sc. Dr. Vipin Kaushik Ph. D.

Dr. Pragya Ojha Ph. D.

Assistant Professors (contract):

Dr. Romita Chouhan Ph. D. Shri Ashish Singh Bais M.Sc.
(SET) (NET+GATE)

Dr. Deepti Pawar Ph. D. Dr. Madhuri Soni Ph. D.

Technical and Supporting Staff :

Shri Lokesh Jain (Jr. Instructor) Shri Arvind Malviya (Lab. Tech.)

Shri Devendra Pal (Lab. Tech.) Ms. Rashmi Kanadkar (Asst. Gr.-III)

APPLIED CHEMISTRY

Professors:

Prof. N. S. Sapre Ph. D. Prof. Nitish Gupta Ph. D.

Assistant Professors:

Dr. Urmila Raghuvanshi Ph. D.

Assistant Professors (contract):

Ms. Snehlata Soni M.Sc. Dr. Vishwajeet Yadav Ph. D.

Ms. Parvati Bhavar M.Sc. Ms. Nisha Patidar M.Sc.

Technical and Supporting Staff :

Mrs Priyanka Shrivastava (LDC) Shri H. S. Tetwal (Lab. Tech.)

Shri Govind Solanki (LDC)

APPLIED MATHEMATICS AND COMPUTATIONAL SCIENCE

Professor:

Prof. Smita Verma Ph. D.

Associate Professor:

Dr. Rachana Navalakhe Ph. D.

Assistant Professor

Dr. Sarla Chouhan Ph.D.

Assistant Professor (contract):

Dr. Deepti Mokati	Ph. D.	Dr. Preeti Sengar	Ph. D.
Mr. Prasandeep S. Muchhal	M.Sc.	Dr. Ranu Sharma	Ph. D.
Ms. Divita Sharma	M.Sc.	Ms. Payal Khandelwal	M.Sc.
Mr. Karan Rajput	M.Sc.	Mrs. Archana Gupta	M.Sc.

CENTRAL WORKSHOP

CWS Superintendent

Prof. S. Purohit M.E.

Asstt. W/s Supdt.

Shri Sukhlal Mujalda M.E.

Technical and Supporting Staff :

Shri P.N. Dhoke (Jr. Instructor)	Shri Surendra Verma (Jr. Instructor)
Shri Pannalal Swamesh (W/S Instr.)	Shri S.K. Laad (I/C W/S Instructor)
Shri R.K. Gadore (Skilled Helper)	Shri Shankar Raikwar (Skilled Helper)
Shri Amit K Dubey (Skilled Helper)	Shri C.S. Kawadkar (Skilled Helper)
Shri Sanjay Yadav (Skilled Helper)	Shri Dinesh Sekokar (Skilled Helper)

Computer Center

Prof. Surendra Gupta

(Incharge)

Shri Sunil Choudhary (Comp. Op.)

Shri Rajiv Mishra (Data Entry Op.)

EXAM SECTION :

Prof. Sudhir Tiwari (Controller Exam)

Dr. Lalit Purohit (Dy. Controller)

Mrs Sujata Negi (Programmer)

Shri R. K. Verma (UDC)

Shri V. Makwana (LDC)

Dr. Smita Verma (Dy. Controller)

Dr, Neha Mehra (Dy. Controller)

Shri Arun Kuliha (Programmer)

Shri Swapnil Muley (Record keeper)

Shri Lalit Karma (Data Entry Op.)

LIBRARY:

Dr B. K. Tiwari (Librarian)

Shri Pawan Chouhan (Asstt Gr II)

Shri Hemendra Joshi (LDC)

Shri Manish Kashiv (Book Lifter)

Shri J. S. Dagoria (LDC)

Shri Surendra K. Mishra (Lib. Asst.)

ESTATE SECTION:

Er. Manoj Pandit (Asstt. Engr.)

Shri Rajendra Khandegar (Curator)

Shri Dilip Yadav (Asst. Mistry)

TRAINING AND PLACEMENT OFFICE:

Shri Rohit K Anchliya (TPO)

SPORTS SECTION/ NCC

Dr. Manish Jaiswal

(Asst. Dir. Phy. Edu.)

Shri S. B. Mishra (UDC)

TEQIP CELL

Shri Mohan Chhatwani (Clerical Asst.)

EPBX

Prof Amit Naik (Incharge)

Shri Umesh Sangaliya (Attendent)

Shri Mukesh Jhalendra (Attendent)

HOSTEL

BOYS HOSTEL

Shri Dhawal Dangi (LDC)

Shri Aditya Shukla (LDC)

GIRLS HOSTEL

Smt Santosh Jain (LDC)

Smt Kavita (LDC)

GUEST HOUSE

Shri B K Bilawar (Care Taker)

Shri G S Institute of Technology & Science Indore

Established	: 1952
Status	: Autonomous Grant in Aid
Phone	: +91-731-2582112, 2544415
FAX	: +91 - 731 - 2432540
EPABX	: +91 - 731 - 2582100
Email	: director@sgsits.ac.in
Address	: 23 Sir M. Visvesvaraya Marg, Indore, 452003, M.P.
Affiliation	: RGPV Bhopal and DAVV Indore