OFFICIAL TRANSCRIPT CERTIFICATE OF MR GIRHE NIRANJAN DADASAHEB

This is to certify that **Mr Girhe Niranjan Dadasaheb** is a bonafide student of MIT Academy of Engineering (MIT AOE), Alandi (D), Pune (Formerly known as Maharashtra Academy of Engineering) from year August 2019 to June 2023. MITAOE is an autonomous institute affiliated to the Savitribai Phule Pune University. He will complete the four-year **Bachelor of Technology in Computer Engineering** in year 2023. Each academic year consists of two semesters and examinations are conducted twice in one semester, one in-semester examination and one end-semester examination.

Girhe Niranjan Dadasaheb successfully completed six semesters of the above-mentioned **Bachelor of Technology in Computer Engineering** course in 2022 from Savitribai Phule Pune University. His Permanent Registration Number is 0120190587.

The official transcript containing grades achieved in all the six semesters, he has completed till date, are hereby issued.

In order to enable your University to review his application**,** we feel that it is necessary to brief you about Savitribai Phule Pune University, MITAOE and the grading system while forwarding the transcripts.

Yours Sincerely

Dr. A. M. Kotha
Controller of Examination
MIT Academy of Engineering (MIT AOE),
Alandi (D) Pune-412105
India

Dr. M. D. Goudar
Director
MIT Academy of Engineering (MIT AOE),
Alandi (D) Pune-412105
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Savitribai Phule Pune University

About the Savitribai Phule Pune University

The Savitribai Phule Pune University (SPPU) is located in the City of Pune in Maharashtra State and has the reputation as a leading center for research. Pune is known as the educational capital of India. SPPU was established on 10th of February 1949 and is rated among the '**Top 10**' Universities in India. It conducts undergraduate, graduate and post graduate research program/courses in Arts, Commerce, and Science education and other Faculties and professional courses for Engineering and Technology, Medical Sciences and Business Administration.

The campus of the University is spread over an area of 411 acres and is set in sylvan surroundings with its 41 postgraduate departments. There are more than 224 affiliated colleges and more than 118 recognized research Institutes. Around 200000 students are pursuing their studies in various colleges and institutes under Savitribai Phule Pune University. Apart from Bachelors, Masters and Ph.D. programs, there are a large number of certificate and diploma courses in various disciplines offered by the university.

The University also houses IUCAA (Inter-University Center for Astronomy and Astrophysics) and NCRA (National Center for Radio Astrophysics) which is currently engaged in Giant Meter Wave Radio Telescope Projects, the largest of its kind in the world. The C-DAC (Center for Development of Advanced Computing) has indigenously developed super computer "PARAM" which is the pride of the university and the nation.

Admission Procedure for Engineering.

The Savitribai Phule Pune University follows a centralized admission procedure for admission to the undergraduate program in Engineering, which is based on the marks obtained in Physics, Chemistry and Mathematics subjects in the Maharashtra Common Entrance Test conducted by the Directorate of Technical Education headquartered at Mumbai or its equivalent.

The competition for admission is extremely tough and is restricted to the top 10% of the candidates appearing for the above said examination (10+2 pattern). Students who are able to seek admission to the Bachelor of Technology in Computer Engineering Degree program in the Savitribai Phule Pune University after school education are considered to be amongst the high-profile community of students.

About MIT Academy of Engineering (MIT AOE)

MIT Academy of Engineering (MIT AOE) is one of the premier engineering and technology institutes of the Savitribai Phule Pune University. The college is located in serene surroundings and thus, provides a pollution free environment to the student. This college is the branch extension of the Maharashtra Institute of Technology which is a highly acclaimed engineering college of the Savitribai Phule Pune University having Grade 'A' classification because of its excellent infrastructure. The Faculty of MIT AOE consists of Lecturers, Instructors, Assistant Professors and Professors with the qualifications as set by the University Grants Commission. Most of the teaching staff have varied teaching and industrial experience and have authored or co-authored textbooks on their subject of interest with reputed publishing houses in India. On the occasion of the 'University Foundation Day' on February 10, 2014, the Savitribai Phule Pune University felicitated the institute with the 'Best Professional Institute 2013-14' award.

The college is recognized by the All India Council for Technical Education and has the ISO 9001-2015 certification apart from recognition by the Directorate of Technical Education, Government of Maharashtra State. This engineering college has a specialty in the Computer Engineering discipline and undertakes educational research in this field. It has state of the art laboratories, a fully developed library, seminar halls and well-equipped workshops.

The college strives for all round development of students by encouraging sports and extracurricular activities along with academic excellence. Therefore, because of the excellent grooming given to the students, best recruiters visit this college for campus placement. The college has the reputation of producing bright and dedicated engineers and has an excellent placement record.

The medium of instruction and examination is **English.**

 Abbreviations used in the Grade card.

 T – Theory   L – Lab/Practical
 * – Grade earned in second attempt
 # – Grade earned in third attempt
 $ – Grade earned in more than three attempts

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Rules for award of Bachelor of Technology in Computer Engineering Degree under the Faculty of Engineering in Savitribai Phule Pune University.

Bachelor's Degree program in Engineering is a four-year program. A candidate, to qualify for the award of Degree, is required to successfully complete eight semesters.

To qualify in each semester examination a candidate must secure minimum 40% marks in each head of passing, as prescribed. Assessment for each semester is based on:

    I.   Theory
    II.   Practical
    III.   Continuous Assessment
    IV.   Project Work

Grading System
The MIT Academy of Engineering follows the Grade Point Average (GPA) system. At the end of every semester a student is awarded a grade based on his performance in the in-semester examination / end-semester examination / continuous internal evaluation in every course registered by him/her. These are letter grades which have an equivalent numerical value called the grade points as illustrated below:

Grades	Grade Points	Range of Marks
AA	10	80-100
AB	9	70-79
BB	8	60-69
BC	7	55-59
CC	6	50-54
CD	5	45-49
DD	4	40-44
FF	0	00-39

Notes:
1. All subjects included in the curriculum are compulsory except in the final year, where a student chooses two electives. In the second, third and final year a student is required to give a seminar presentation on a topic of his engineering discipline and also develop and demonstrate a live working project, which is evaluated by an external examiner, who is normally a person from the industry.
2. Each semester is of 16 weeks and each lecture is of one-hour duration.
3. Theory, Term work, Oral and Practical examinations require minimum 40% marks for passing.

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Bachelor of Technology in Computer Engineering   **First Year (June 2019 to June 2020)**
Name of Candidate   : Girhe Niranjan Dadasaheb   **Examination No.   : F191540**
Examination Passed : June 2020   **Perm. Reg. No.   : 0120190587**

Semester – I

Course Name	Credits	Grade
CALCULUS AND DIFFERENTIAL EQUATIONS (L)	1	BB
CALCULUS AND DIFFERENTIAL EQUATIONS (T)	3	AA
SCIENCE OF NATURE (L)	1	AA
SCIENCE OF NATURE (T)	3	AB
LOGIC DEVELOPMENT - C PROGRAMMING (L)	2	AA
LOGIC DEVELOPMENT - C PROGRAMMING (T)	1	AB
APPLIED MECHANICS (L)	1	AA
APPLIED MECHANICS (T)	3	AA
JAPANESE	2	AA
DESIGN THINKING (L)	2	AA

Semester – II

Course Name	Credits	Grade
ENGINEERING PHYSICS (L)	1	AA
ENGINEERING PHYSICS (T)	3	AA
STATISTICS AND INTEGRAL CALCULUS (L)	1	AA
STATISTICS AND INTEGRAL CALCULUS (T)	3	AB
APPLICATION PROGRAMMING – PYTHON (L)	2	AA
APPLICATION PROGRAMMING – PYTHON (T)	1	AA
ELECTRICAL AND ELECTRONICS ENGINEERING (L)	1	AA
ELECTRICAL AND ELECTRONICS ENGINEERING (T)	3	AA
INDIAN CONSTITUTION	0	PP
ENGINEERING GRAPHICS (L)	2	AA
ENGINEERING GRAPHICS (T)	2	AA
EXPERIMENTAL TOOLS AND TECHNIQUES (L)	2	AA

Current Semester Performance			Cumulative Performance		
Credits	**Grade Points**	**SGPA**	**Credits**	**Grade Points**	**CGPA**
21	**207**	**9.86**	**40**	**391**	**9.77**

Bachelor of Technology in Computer Engineering   **Second Year (June 2020 to June 2021)**
Name of Candidate   : Girhe Niranjan Dadasaheb   **Examination No.   : S204133**
Examination Passed   : June 2021   **Perm. Reg. No.   :0120190587**

Semester – III

Course Name	Credits	Grade
DATA STRUCTURES (T)	3	AA
DISCRETE STRUCTURES AND GRAPH THEORY (T)	3	AA
COMPUTER GRAPHICS (L)	1	AA
COMPUTER GRAPHICS (T)	3	AA
PROGRAMMING LABORATORY (L)	2	AA
SKILL DEVELOPMENT COURSE - CORE JAVA (L)	2	AA
MINOR PROJECT DESIGN (L)	1	AA
ENVIRONMENTAL STUDIES	0	PP
DIGITAL PROTOTYPING (L)	2	AA
ENGINEERING INFORMATICS (L)	1	AA
ENGINEERING INFORMATICS (T)	3	AA

Semester – IV

Course Name	Credits	Grade
APPLIED MATHEMATICS (L)	1	AA
APPLIED MATHEMATICS (T)	3	AA
ADVANCED DATA STRUCTURES (L)	1	AA
ADVANCED DATA STRUCTURES (T)	3	AA
COMPUTER ORGANIZATION AND ARCHITECTURE (L)	1	AA
COMPUTER ORGANIZATION AND ARCHITECTURE (T)	3	AA
DATABASE MANAGEMENT SYSTEMS (L)	1	AA
DATABASE MANAGEMENT SYSTEMS (T)	3	AA
MINOR PROJECT (L)	1	AA
RAPID PROTOTYPING (L)	2	AB
PROFESSIONAL COMMUNICATION (T)	2	AA
LIBERAL LEARNING (L)	0	PP

Current Semester Performance			Cumulative Performance		
Credits	Grade Points	SGPA	Credits	Grade Points	CGPA
21	208	9.9	82	809	9.86

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Bachelor of Technology in Computer Engineering   **Third Year (June 2021 to June 2022)**
Name of Candidate : Girhe Niranjan Dadasaheb   **Examination No.   : T214129**
Examination Passed : June 2022   **Perm. Reg. No.   : 012010587**

Semester – V

Course Name	Credits	Grade
OPERATING SYSTEM (L)	1	AA
OPERATING SYSTEM (T)	3	AA
THEORY OF COMPUTATION (T)	3	AA
COMPUTER NETWORKS (L)	1	AA
COMPUTER NETWORKS (T)	3	AA
SKILL DEVELOPMENT COURSE - RED HAT LINUX (L)	2	AA
PROJECT DESIGN	2	AA
ARTIFICIAL INTELLIGENCE (L)	1	AB
ARTIFICIAL INTELLIGENCE (T)	3	AB
PROJECT MANAGEMENT	2	CC

Semester – VI

Course Name	Credits	Grade
DESIGN AND ANALYSIS OF ALGORITHMS	1	AA
DESIGN AND ANALYSIS OF ALGORITHMS	3	AA
COMPILER DESIGN	3	AA
SOFTWARE ENGINEERING	1	AB
SOFTWARE ENGINEERING	3	BB
MACHINE LEARNING	1	AA
MACHINE LEARNING	3	AA
SKILL DEVELOPMENT COURSE - ADVANCED JAVA	2	AA
MAJOR PROJECT - IMPLEMENTATION	2	AA
EMPLOYABILITY SKILLS	2	AB

Current Semester Performance			Cumulative Performance		
Credits	Grade Points	SGPA	Credits	Grade Points	CGPA
21	201	9.57	124	1208	9.74

Outward No.: MITAOE/EXAM/2022/04/64   Date: 10 October 2022

This is to certify that **Mr. Girhe Niranjan Dadasaheb** bears a good moral character and fine conduct. We assure you that he has potential for Academics and Research, and with his innovative bent of mind he will be an asset to your Institute while pursuing MS in Computer Science. We wish him all the best.

We hereby certify that the aforementioned information is true to the best of our knowledge.

Thank you

Yours Sincerely

Dr. A. M. Kotha
Controller of Examination
MIT Academy of Engineering (MIT AOE),
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Dr. M. D. Goudar
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