

INFORMATION AND ADMISSION BROCHURE



PH.D ADMISSION

2022-23

Engineering | Management Studies | Science and Humanities



SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE

(Approved by AICTE, New Delhi & Affiliated to Pondicherry University)

(Accredited by NAAC with "A" grade and NBA - AICTE, New Delhi)

(An Autonomous Institution)

Puducherry - 605 107

ABOUT THE INSTITUTION

Sri Manakula Vinayagar Engineering College was established in the year 1999. The Institution has been approved by AICTE, New Delhi, and affiliated to Pondicherry University. The University Grants Commission (UGC) granted Autonomous status to the institution. The Institute is accredited by NAAC with "A" grade and NBA - AICTE, New Delhi and also accredited by the IT giant Tata Consultancy Services (TCS). Within a short span of time, the Institution has attained an enviable reputation by possessing all the hallmarks of a premier Institution in the pursuit of excellence. The institution is offering 15 Under Graduate, 8 Post Graduate and 11 Doctoral Programmes. To provide skill based learning, the institution has established 17 Centre of Excellence to offer more than 90 skill oriented associate level International Certification Courses which are highly demandable and expectations of industries.

Research is a precursor to discovery and innovation. The Institute has developed excellent facilities, both in terms of infrastructure and scholastics. SMVEC recognizes the importance of research, and has initiated meticulous R & D activities in the campus. Research and Development are carried in several areas like Smart Materials, Additive Manufacturing, Nanotechnology, AI and Data Science, IoT, Image Processing, Telecommunication and Simulation Studies. SMVEC has been identified as a research centre by Pondicherry University, Puducherry.

RESEARCH PROGRAMME DISCIPLINE

Sri Manakula Vinayagar Engineering College, an Autonomous Institution, Madagadipet, Puducherry, invites applications for Ph.D. Programmes in the following areas of Engineering & Technology, Science & Humanities and Management Studies.

DOMAIN	DISCIPLINE
Engineering and Technology	<ul style="list-style-type: none">• Mechanical Engineering• Electrical and Electronics Engineering• Electronics and Communication Engineering• Civil Engineering• Computer Science and Engineering• Information Technology
Science and Humanities	<ul style="list-style-type: none">• Physics• Chemistry• Mathematics• English
Management Studies	<ul style="list-style-type: none">• Management

OBJECTIVE

The objective of the Ph.D. programme at SMVEC is to enable the students to engage in advanced studies in various disciplines by fostering original and independent research in the areas of specialization & integrate the professional education and experience in solving larger problems of the society.

Scholars, working closely under the guidance of the Supervisors and senior faculties, are expected to extend their in-depth knowledge in the chosen areas of study, develop their ability to identify research problems for writing, presenting and defending the results through course work/ seminars/ projects and carry out the actual research.

ELIGIBILITY

ELIGIBILITY

Candidates seeking admission to the Ph.D. programme shall have to possess: Master's degree in Engineering / Technology / Science and Humanities / Management Studies or relevant discipline with a minimum of 55 % marks (CGPA 5.5 on a 10 point scale) or equivalent from a recognized University / Institution

Ph.D ADMISSION REQUIREMENTS

Course Code	Discipline	Eligibility criteria for admission
ME01	Mechanical Engineering	B.E./ B.Tech. Degree in Mechanical Engineering /other related disciplines/any other qualifications recognized by AICTE/ UGC and M.E./ M.Tech. Degree in Mechanical Engineering. Other related specialization with a minimum of 55% of marks.
EE02	Electrical and Electronics Engineering	B.E./B.Tech. degree in Electrical and Electronics Engineering/other related disciplines/any other qualifications recognized by AICTE/ UGC and M.E./M.Tech. degree in Electrical and Electronics Engineering/other related specializations with a minimum of 55 % of marks.
EC03	Electronics and Communication Engineering	B.E./B.Tech. degree in Electronics and Communication Engineering and M.E./M.Tech. degree in Electronics/ Communication Systems/ Electronics and Communication Engineering/ any related specializations with an overall minimum aggregate of 55% of marks or equivalent in the qualifying examination M.E./M.Tech.
CE04	Civil Engineering	(a) B.E./B.Tech degree and M.E./ M.Tech. degree in Civil Engineering with a minimum of 55% of marks or equivalent with specialization in: i) Structural Engineering ii) Geotechnical Engineering iii) Hydraulic & Water Resource Engineering iv) Ocean Engineering v) Environmental Engineering / Environmental Technology / Advanced Construction Technology vi) Geo Informatics (b) B.E/B.Tech degree and M.E. / M.Tech. degree with a minimum of 55% marks or equivalent with specialization in: Energy Technology / Environmental Engineering/ Environmental Management/ Biotechnology/ Chemical Engineering/ Industrial Biotechnology
CS05	Computer Science and Engineering	B.E./ B.Tech degree in CSE/IT/ECE/EEE/E&I and M.E. / M.Tech in Computer Science and Engineering or Information Technology with a minimum of 55% marks.
IT06	Information Technology	B.E./ B.Tech degree in CSE/IT/ECE/EEE/E&I and M.E. / M.Tech in Computer Science and Engineering or Information Technology with a minimum of 55% marks.
PH07	Physics	Master's degree in Physics / Applied Physics / Material Science and Technology with a minimum of 55 % of marks.
CY08	Chemistry	Master's degree in Chemistry or equivalent degree with a minimum of 55% of marks.
MA09	Mathematics	Master/s degree in Mathematics with a minimum of 55% of marks/M. Sc (Mathematics). M.Phil with a minimum of 55 % of marks/ M. Sc (Mathematics) with NETor SLET
EH10	English	Master's degree in English with a minimum of 55% of marks.
MG11	Management Studies	Master's degree in Business Administration, Business Management, Management Sciences, International Business or Two Years Post Graduate Diploma in Management from Indian Institute of Management and other relevant disciplines with a minimum of 55% of marks.

ADMISSION PROCEDURE

Candidates are required to submit their application along with the research proposal. The proposal should contain, Objectives, Literature Survey, Research Gap, Research Plan and Expected Outcomes. The shortlisted candidates will be screened by written test and interviewed by the Departmental Selection Committee. The list of candidates recommended by the Departmental Selection Committee shall be sent to Director for Approval.

CATEGORY OF STUDENTS

The students can be registered as Full Time or on Part Time basis

- A **Full-Time scholar** has to attend the Research centre/Department regularly and will be subject to the prescribed attendance rules of the Institution. A Full time scholar shall sign the attendance register on all working days.
- Professionally employed personnel such as working engineers, scientists and teachers may be allowed to pursue Ph.D. on **Part-Time (Internal/External)** basis with a minimum of 2 years of continuous teaching and research experience. Such candidates are required to submit a "No Objection Certificate" from their parent organization / department /employer stating that he / she is permitted to pursue studies on a part-time basis and that his / her duties permit him / her to devote sufficient time for research.

MINIMUM & MAXIMUM DURATION OF THE PROGRAMME

The Programme duration shall be **minimum three years** including course work and a **maximum of Six years**.

FEES STRUCTURE

Full time Research Scholar : Rs. 35,000 per year

Part time Research Scholar : Rs. 35,000 per year

REFUND OF FEE

No Fee shall be refunded, after commencement of the session

FINANCIAL ASSISTANCE*

A limited number of SMVEC research fellowships are available to Full-Time research scholars who are not receiving any financial support/scholarship from State/Central Governments (or) other agencies. They are required to assist the Department in the academic work for at least 4 hours per week, in addition, satisfy other conditions for the award of the fellowship. However, Part-Time PhD candidates are not given any fellowship. The present fellowship emoluments are as follows

*Regular Ph.D candidates who are fulfilling the SMVEC Research fellowship norms prescribed by the institution will be eligible for the stipend



HOW TO APPLY

Candidates for Ph.D. programme can apply through the application forms available at www.smvec.ac.in. A non-refundable application fee of Rs. 1000/- (Rs.500/- for SC/ST/PH/Women candidate) (inclusive of GST) has to be paid either through online transaction (or) Demand Draft (DD), which is to be mentioned in the application form. The filled up application form along with self-attested photocopies of marksheets, degree certificates, community certificates, and the necessary enclosures should reach 'The Dean (Research), Sri Manakula Vinayagar Engineering College, Madagadipet, Puducherry, -605 107' on or before 17-02-2023. Please write "Application for Ph.D. admission (Dept. Name)" on the envelope.

Entrance Exam Pattern

- Mode of the Exam :** Online Proctored Mode
(Computer Based Test)
- Type of Questions :** 2 Hours (120 Minutes)
- Total Questions :** 100 Questions
- Total Marks :** 400 Marks
- Subjects :** Research methodology and
Concerned subject as per the
programme
- Marking scheme :** +4 marks for each correct answer
and -1 mark for each wrong
answer
- Medium of Paper :** English only

Application Fee

- Women candidates : **Rs. 500**
- SC/ST/PH category candidates : **Rs. 500**
- All other candidates : **Rs. 1000**

The fee has to be paid either by Online Payment system or DD

Online Payment

- A/C Name : Sri Manakula Vinayagar Engineering College
- A/C Number : 858081202
- A/C Type : Current Account
- Bank Name : Indian Bank
- Branch Name : Puducherry Main
- IFSC Code : IDIB000P042 (5th character is zero)
- MICR Code : 605019002
- Branch Code : 00P042

Demand Draft

In favour of Sri Manakula Vinayagar Engineering College payable at Puducherry

Reservation

Reservation shall be in accordance with the policy of UT Government of Puducherry.

Selection Procedure

The admission to the PhD Programmes shall be made as per the following criteria:

- **Entrance Exam - 70%**
- **Personal Interview and Academic Record - 30%**

SMVEC Research Fellowship

Regular full-time Ph. D candidates who are fulfilling the Research fellowship norms prescribed by the institution, will be eligible for stipend

Important Dates

- Starting date for submission of applications : 18-01-2023
- Last date for submission of applications : 17-02-2023

- Date of Entrance Test
- Publication of shortlisted candidates
- Schedule of Interview

updated
periodically
in Institute
Website

CORRESPONDENCE

All the correspondence concerning Ph.D. admissions should be addressed to

The Dean

Research & Development
Sri Manakula Vinayagar Engineering College
Madagadipet, Puducherry-605107
e-mail: research@smvec.ac.in