



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

Information Brochure 2023-24

Scheme of Examination

VMRF-SMART 2023-24

About AVIT


AVIT is endowed under Vinayaka Mission's Research Foundation, Deemed to be University. The institution imbibes knowledge in field of Engineering and Management to make contributions in a manner that enhances the quality of life in the society. AVIT is place to million dreams, a place to discover and innovate through adaptive learning and application of Engineering concepts.

Programmes Offered

- B.E. - Computer Science and Engineering
- B.E. - Computer Science and Engineering (Artificial Intelligence and Machine Learning)
- B.E. - CSE (Internet of Things and Cyber Security Including Block Chain Technology)
- B.E. - Computer Science and Engineering (Cyber Security)
- B.E. - Computer Science and Design
- B.E. - Biomedical Engineering
- B.E. - Civil Engineering
- B.E. - Electronics and Communication Engineering
- B.E. - Electrical and Electronics Engineering
- B.E. - Pharmaceutical Engineering
- B.E. - Mechanical Engineering
- B.Tech. - Biotechnology

How to Apply:

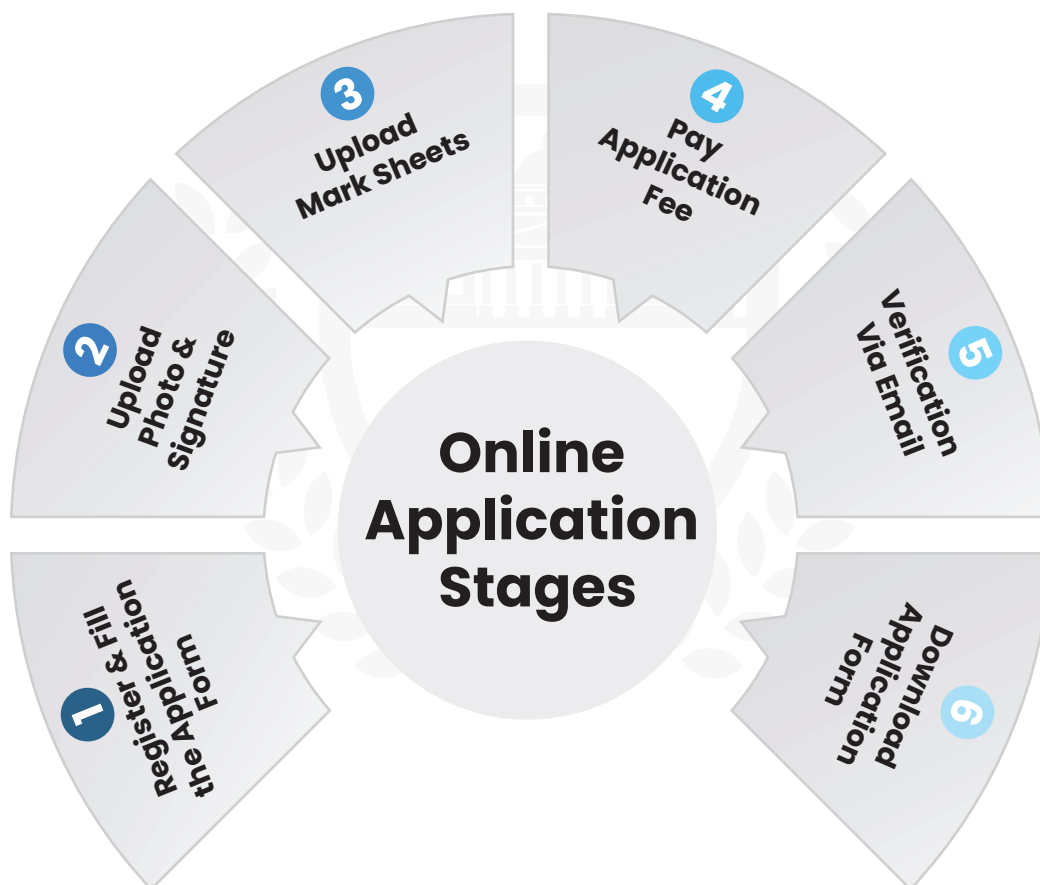
Candidates can apply Online or Offline for VMRF-SMART 2023-24

Online Application	Offline Application
<p>The candidates can scan the QR Code to apply online. Pay Rs. 500/- towards VMRF-SMART 2023-24 application through Net Banking / Credit Card /Debit Card / Paytm Wallet.</p> 	<p>The candidates can purchase the application form for VMRF-SMART 2023-24 from the Corporate Office, Chennai or from the AV Campus on payment of Rs.500/- (Application fee) by cash or DD.</p>

Send the duly filled Application Form to **THE ADMISSION OFFICER, AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY, Vinayaka Nagar, Rajiv Gandhi Salai (OMR), Paiyanoor, Chennai-603104, Tamil Nadu, India**

Important Dates		
VMRF-SMART 2023-24	Slot-1	Slot-2
Last Date to Apply	18 th Jan 2023	12 th Apr 2023
Date of Exam	22 nd Jan 2023	16 th Apr 2023

Guidelines to fill Online Application Form



Guidelines to fill Offline Application Form

The Candidates are requested to-

- (i) Use only BLACK BALL POINT pen to fill the application form, use BLOCK LETTERS only.
- (ii) Avoid correcting, overwriting or erasing.
- (iii) Write the name using BLOCK LETTERS and as given in 10th certificate.
- (iv) Make sure that all the details in the Check list (S No 16) are complete.

Mode of Examination

VMRF-SMART 2023-24 will be conducted in two modes

1. **Online mode** – Home proctored Test for the year 2024
2. **Offline mode** – At the AV campus and other designated test centres.

(Test centers list will be published on our Website – <https://www.avit.edu.in>.)

Scheme of Examination

The test booklet contains 165 questions.

The duration of the test is 3 hours.

The test will be conducted for maximum marks of 150.

There will be four sections in the test booklet.

Candidates must answer all questions as per their choice of subjects (Physics, Chemistry & Maths/Physics, Chemistry & Biology).

There will be no negative marks.

Syllabus

MATHEMATICS

Relations and Functions – Inverse Trigonometric Functions – Matrices – Determinants – Continuity and Differentiability – Applications of Derivatives – Integrals – Application of Integrals – Differential Equations – Vector Algebra – Three Dimensional Geometry – Linear Programming – Probability

PHYSICS

Electric Charges and Fields – Electrostatic Potential and Capacitance – Current Electricity – Moving Charges and Magnetism – Magnetism and Matter – Electromagnetic Induction – Alternating Current – Electromagnetic Waves – Ray Optics and Optical Instruments – Wave Optics – Dual Nature of Radiation and Matter – Atoms – Nuclei – Semiconductor Electronics

CHEMISTRY

The Solid State – Solutions – Electrochemistry – Chemical Kinetics – Surface Chemistry – General Principles And Processes Of Isolation Of Elements – The P-Block Elements – The d- and f-Block Elements – Coordination Compounds – Haloalkanes And Haloarenes – Alcohols, Phenols And Ethers – Aldehydes, Ketones And Carboxylic Acids – Amines – Biomolecules – Polymers – Chemistry In Everyday Life

BIOLOGY

Reproduction in organisms – Sexual reproduction in flowering plants – Strategies for enhancement in food production – Biotechnology-Principles and processes – Eco system – Human reproduction – Reproductive health – Principles of inheritance and variation – Molecular basis of inheritance – Evolution – Human health and diseases – Microbes in human welfare – Biotechnology and its applications – Organisms and population – Biodiversity and conservation – Environmental issues

9. FATHER'S NAME OR GUARDIAN'S NAME (Shade any one and write the Name below)

V I N O T H K U M A R T

MOBILE NUMBER 8 8 2 9 4 7 5 6 6 0

10. MOTHER'S NAME

M E E R A

MOBILE NUMBER 7 3 7 0 9 5 5 4 8 6

11. NAME OF JUNIOR COLLEGE / SCHOOL IN WHICH CURRENTLY STUDYING 12th STD

REG. NO / ROLL NUMBER

2 9 5 5 7 8 4 0

NAME OF THE SCHOOL / JUNIOR COLLEGE STUDYING: DAWN SCHOOL,

ADDRESS: NOLAMBUR,
WEST MOGAPPAIR,

CITY: CHENNAI

DIST.:

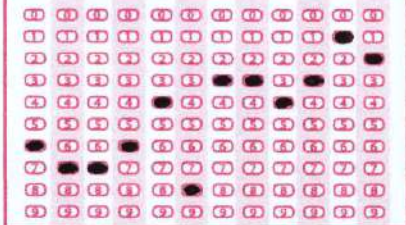
STATE: TAMIL NADU PIN CODE: 6 0 0 0 2 8

12. MEDIUM OF INSTRUCTION

- TAMIL
ENGLISH
TELUGU
HINDI
OTHERS

13. STUDENT AADHAR NUMBER

6 7 7 6 4 8 3 3 4 3 1 2



14. SELECT PROGRAMME (ANY ONE)

- B.E. - Computer Science and Engineering
B.E. - Computer Science and Engineering (Artificial Intelligence and Machine Learning)
B.E. - Computer Science and Engineering (Internet of Things and Cyber Security Including Block Chain Technology)
B.E. - Computer Science and Engineering (Cyber Security)
B.E. - Computer Science and Design
B.E. - Biomedical Engineering
B.E. - Civil Engineering
B.E. - Electronics and Communication Engineering
B.E. - Electrical and Electronics Engineering
B.E. - Mechanical Engineering
B.E. - Pharmaceutical Engineering
B.Tech. - Biotechnology

CAUTION: DO NOT CRUSH / BEND / FOLD

15. CHECK LIST

Please check

1. You have entered the correct Date of Birth (item 2) (N)
2. You have affixed your recent Photograph (Item 7) (N)
3. You have signed in (item 8 & 16) (N)
4. You have filled in the Programme (Item 14) (N)
5. You have recorded your Application Number (N)

GUIDELINES FOR FILLING THE OMR APPLICATION IS AVAILABLE ON OUR WEBSITE : <https://bit.ly/3G6jzTb>

16. DECLARATION

I solemnly and sincerely affirm that I am an Indian National and that all particulars furnished in this application form are true and correct to the best of my knowledge and that I have not concealed any information. However, in the event this being found to be incorrect, fraudulent or untrue, either before or after the examination or after my admission to the programme, I understand that I am liable to face criminal prosecution and the authorities can claim all powers to cancel my candidature/selection or admission as the case may be and I have to forego my seat and the fee.

I agree to abide by the rules and regulations governing the examination as well as the rules pertaining to the refund of tuition and hostel fee mentioned in the brochure.

DATE: 24.11.2022

PLACE: CHENNAI

[Signature]

Signature of the Parent / Guardian

[Signature]

Signature of the Student

Incomplete Application form shall not be considered