Information Brochure 2024-25
Scheme of Examination
VMRF-SMART 2024-25

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 a 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. - 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 2024-25

Online Application	Offline Application
The candidates can scan the QR code to apply online. Pay Rs. 500/- towards VMRF-SMART 2024-25 application through Net Banking / Credit Card /Debit Card / Paytm Wallet.	The candidates can purchase the application form for VMRF-SMART 2024-25 from the Corporate Office, Chennai or from the Vinayaka Mission's Chennai Campus on payment of Rs.500/- (Application fee) by cash or DD.

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.
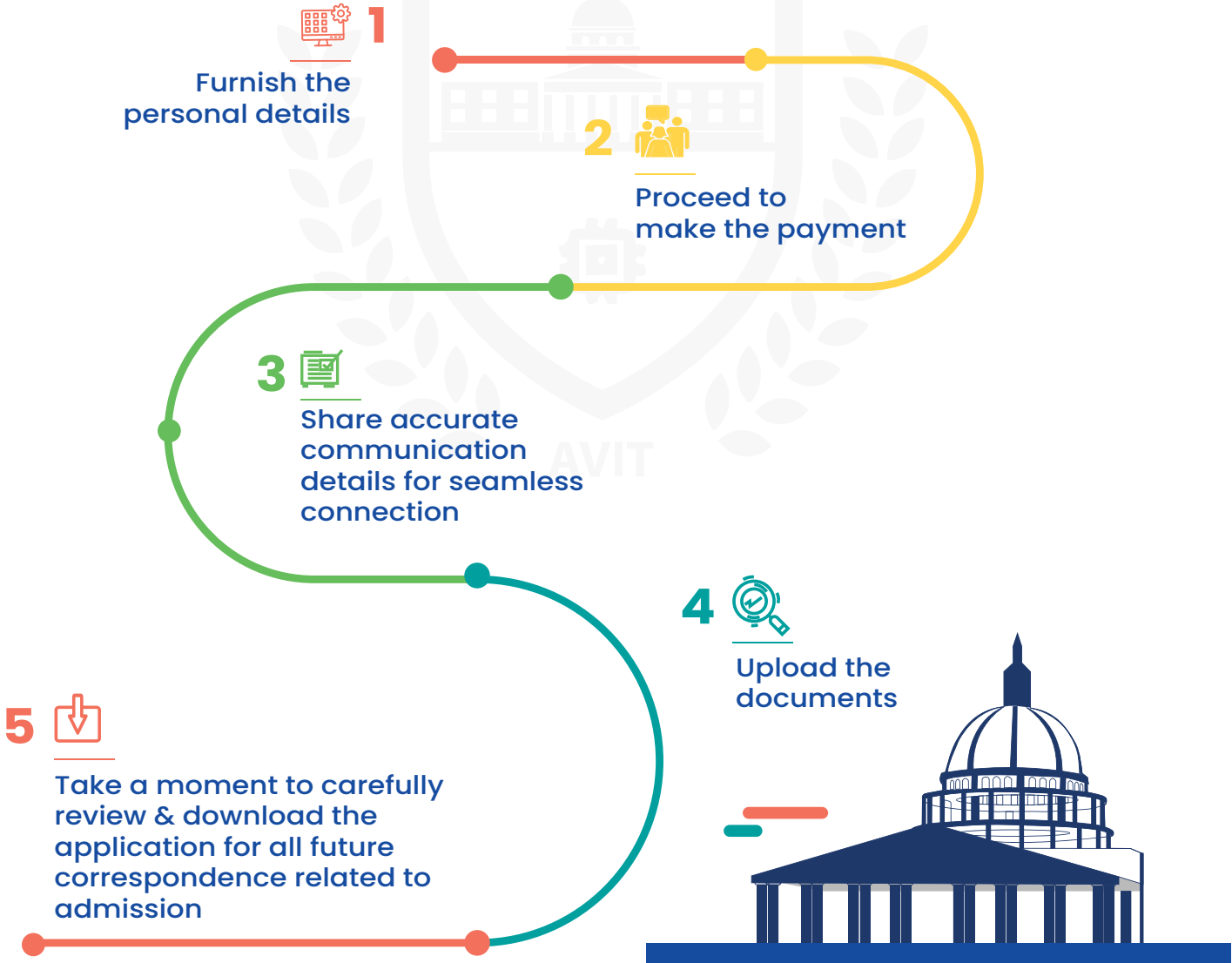
THE ADMISSION OFFICER,VMRF CORPORATE OFFICE, New No: 213, Old No: 160, Behind Doshi Tower, Poonamallee High Road, Kilpauk, Chennai-600 010,Tamil Nadu, India.

www.avit.ac.in

Important Dates

VMRF-SMART 2024-25	Slot-1	Slot-2
Last Date to Apply	20th Jan 2024	20th Apr 2024
Date of Exam #	24th – 28th Jan 2024	24th – 28th Apr 2024

Subject to change

Steps to follow when applying for VMRF-SMART 2024-25

1 Furnish the personal details

2 Proceed to make the payment

3 Share accurate communication details for seamless connection

4 Upload the documents

5 Take a moment to carefully review & download the application for all future correspondence related to admission

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 18) are complete.

Mode of Examination

VMRF-SMART 2024-25 will be conducted in two modes
- **Online mode** – Home proctored Test for the year 2024-25
- **Offline mode** – At the Vinayaka Mission's chennai campus and other designated test centres.

Examination Centres

State Code	Test Centre's State / Union Territory	Test Centre's	City Code	State Code	Test Centre's State / Union Territory	Test Centre's	City Code
1	Andaman & Nicobar	Port Blair	1	11	Maharashtra	Nagpur	29
2	Andhra Pradesh	Anantapur	2		Maharashtra	Pune	30
	Andhra Pradesh	Kakinada	3	12	Orissa	Bhubaneswar	31
	Andhra Pradesh	Nellore	4	13	Puducherry	Puducherry	32
	Andhra Pradesh	Ongole	5	14	Rajasthan	Jaipur	33
	Andhra Pradesh	Rajahmundry	6	15	Tamil Nadu	Chennai	34
	Andhra Pradesh	Tirupati	7		Tamil Nadu	Neyveli	35
	Andhra Pradesh	Vijayawada	8		Tamil Nadu	Cuddalore	36
	Andhra Pradesh	Visakhapatnam	9		Tamil Nadu	Madurai	37
	Andhra Pradesh	Guntur	10		Tamil Nadu	Tiruchirappalli	38
	Andhra Pradesh	Kadappa	11		Tamil Nadu	Tirunelveli	39
	Andhra Pradesh	Srikakulam	12		Tamil Nadu	Thoothukudi	40
	Andhra Pradesh	Kurnool	13		Tamil Nadu	Nagercoil	41
3	Arunachal Pradesh	Itanagar	14		Tamil Nadu	Villupuram	42
4	Assam	Guwahati	15	16	Telangana	Hyderabad	43
5	Bihar	Patna	16		Telangana	Warangal	44
	Bihar	Bhagalpur	17		Telangana	Karim Nagar	45
6	Chattisgarh	Raipur	18	17	Uttar Pradesh	Kanpur	46
7	Gujarat	Ahmedabad	19		Uttar Pradesh	Lucknow	47
	Gujarat	Surat	20		Uttar Pradesh	Noida	48
8	Jharkhand	Jamshedpur	21	18	West Bengal	Kolkata	49
	Jharkhand	Ranchi	22	19	Manipur	Imphal	50
9	Kerala	kochi	23	20	Meghalaya	Shilong	51
	Kerala	Trivandrum	24	21	Mizoram	Aizawl	52
10	Madhya Pradesh	Bhopal	25	22	Nagaland	Kohima	53
	Madhya Pradesh	Gwalior	26	23	Sikkim	Gangtok	54
	Madhya Pradesh	Indore	27	24	Tripura	Agartala	55
11	Maharashtra	Mumbai	28	25	Others		56

Scheme of Examination

Offline Examination
- The test booklet contains 90 Multiple Choice Questions
- There will be four sections in the test booklet
- Each Section consists of 30 questions
- Candidate must answer all questions as per their Choice of Subjects
  - I. Physics, Chemistry & Maths
  - II. Physics, Chemistry & Biology
- The duration of the test is 90 minutes
- The test will be conducted for maximum marks of 90
- There will be no negative marks

Home Proctored Online Examination
- The test booklet contains 90 Multiple Choice Questions
- The test has three sections as per the candidate's choice of subjects
  - I. Physics, Chemistry & Maths
  - II. Physics, Chemistry & Biology
- Each Section consists of 30 questions
- Candidate must answer all questions
- The duration of the test is 90 minutes
- The test will be conducted for maximum marks of 90
- There will be no negative marks
- Instructions to take-up the online test will be shared later

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

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

Accredited with 'A' Grade by NAAC

AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

APPLICATION FORM FOR VMRF SMART 2024-25 SCHOLARSHIP EXAMINATION

Important Instructions
- Use Black Ball Point Pen to write
- Use CAPITAL LETTERS only
- Use HB pencil to shade the appropriate boxes

Mode of Examination
- Online Proctored Test ⬤
- Offline Paper & Pen Test ⬯

Choice of Examination
- SLOT 1 ⬯
- SLOT 2 ⬤

For test date details, scan here:

Barcode on Application Number

1. STUDENT NAME IN CAPITAL LETTERS

A S W I N I   R A N I · V

CORRECT METHOD

INCORRECT METHOD

CAUTION: DO NOT CRUSH / BEND / FOLD

2. STUDENT PHONE NUMBER

9 9 9 5 6 6 7 4 3 1

3. FATHER'S PHONE NUMBER

8 8 2 9 4 7 5 6 6 0

4. MOTHER'S PHONE NUMBER

7 3 7 0 9 5 5 4 8 6

5. COMPLETE POSTAL ADDRESS INCLUDING STUDENT NAME (*MANDATORY FIELD)
(Use black ball point pen to write. Use CAPITAL LETTERS. Do not use Pencil)

ADDRESS	21 NEHRU STREET
	AMBATTUR.
CITY*	CHENNAI
DIST.	
STATE*	TAMIL NADU
PIN CODE	600053
LANDLINE	STD CODE NO.
E MAIL*	ASWINIRANI @ GMAIL·COM

6. PHOTOGRAPH

7. SIGNATURE
(Use Black Ball Point Pen only)

Student Signature

8. DATE OF BIRTH

DAY	MONTH	YEAR
2 1	0 5	2 0 0 6

9. GENDER 2

1 MALE ⊙
2 FEMALE ⊙
3 OTHERS ⊙

10. RELIGION 2

CHRISTIANITY ⊙
HINDUISM ⊙
ISLAM ⊙
OTHERS ⊙

11. COMMUNITY 2

1 GENERAL/ OC ⊙
2. BC (IN TAMIL NADU) ⊙
3. MBC ⊙
4. OBC ⊙
5. SC ⊙
6. ST ⊙
7 OTHERS ⊙

12. STATE/UT 1 5

(Sl.No 12 & 13 refer to the information broucher)

13. SELECT CITY 0 3 4

14. 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

15. MEDIUM OF INSTRUCTION

TAMIL ⊙
ENGLISH ●
TELUGU ⊙
HINDI ⊙
OTHERS ⊙

16. STUDENT AADHAR NUMBER

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

17. 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 (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 - - - - -

18. CHECK LIST

Please check

1. You have entered the correct Date of Birth (Item 8)   ● (N)
2. You have affixed your recent Photograph (Item 6)   ● (N)
3. You have Signed in (Item 7 & 19)   ● (N)
4. You have filled in the Programme (Item 17)   ● (N)
5. You have recorded your Application Number   ● (N)

Guidelines for filling the OMR application are available on our website:

19. 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: 16 . 11 . 2023

PLACE: CHENNAI

Signature of the Parent / Guardian

Signature of the Student

Incomplete Application form shall not be considered