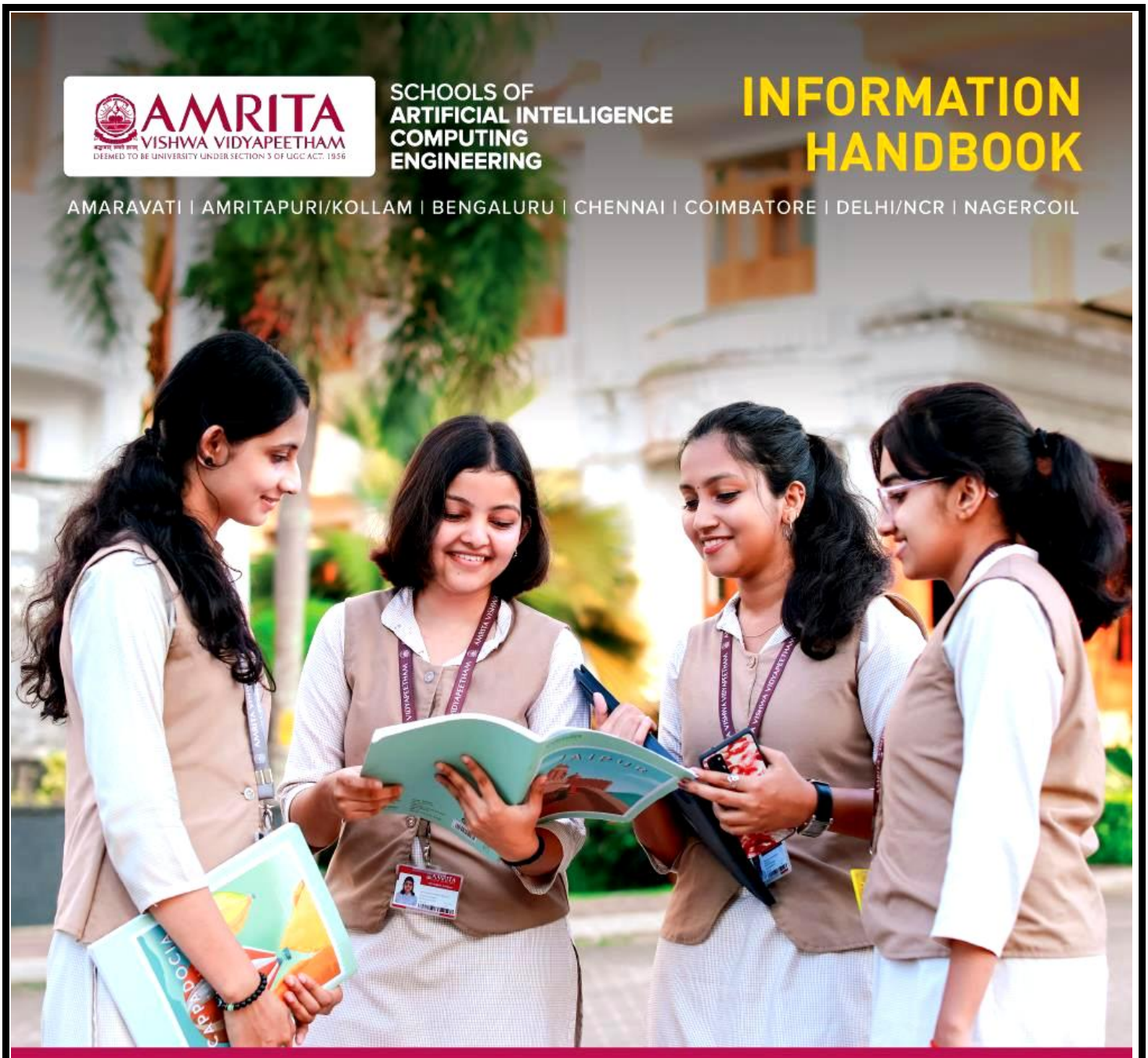
AMRITA VISHWA VIDYAPEETHAM
DEEMED TO BE UNIVERSITY UNDER SECTION 3 OF UGC ACT, 1956

SCHOOLS OF
ARTIFICIAL INTELLIGENCE
COMPUTING
ENGINEERING

INFORMATION HANDBOOK

AMARAVATI | AMRITAPURI/KOLLAM | BENGALURU | CHENNAI | COIMBATORE | DELHI/NCR | NAGERCOIL



AMRITA ENTRANCE EXAMINATION ENGINEERING (AEEE) 2025

₹56.95 Lakh P.A Highest CTC

₹9.08 Lakh P.A Average CTC

75% Fee Waiver For Top Rankers

92% Students Placed in 2024

REGISTER NOW

aeee.amrita.edu

044 4627 6066

aeee@amrita.edu

nirf GOVT. OF INDIA 2024 — 7TH RANKED UNIVERSITY IN INDIA

NAAC A++ ACCREDITED

CATEGORY 1 GRADED AUTONOMY UGC, GOVT. OF INDIA

No.1 IN INDIA THE IMPACT RANKINGS 2024

No.1 IN INDIA QS WORLD UNIVERSITY RANKINGS 2020

Education for **Life.** Education for **Living.**

TABLE OF CONTENTS

ABOUT AMRITA VISHWA VIDYAPEETHAM

Amrita Vishwa Vidyapeetham Deemed to be University is a multi-campus, multi-disciplinary research intensive private University educating a vibrant student population of over 30000+ by 2000+ strong faculty. Accredited with the highest possible **'A++'** by **NAAC** and is ranked as one of the best research Institutions in India. Amrita offers more than 350 UG, PG, and Ph.D. programs in Engineering, Management, and Medical Sciences including Ayurveda, Life Sciences, Physical Sciences, Agriculture Sciences, Arts & Humanities, and Social & Behavioral Sciences.

With its extensive network of nine campuses spread across Amaravati, Amritapuri, Bengaluru, Chennai, Coimbatore, Kochi, Mysuru, Nagercoil and Faridabad, Amrita University stands as one of India's preeminent private educational institutions. Encompassing an expansive area of over 1200 acres, these campuses offer an impressive built-up space of more than 100 lakh square feet.

Renowned for its commitment to academic excellence, Amrita University consistently ranks among the top-tier private universities in the nation, solidifying its reputation as a beacon of quality education. Amrita has emerged as the seventh ranked university in the National Institutional Ranking Framework (NIRF) Rankings 2024 released by MHRD, Govt. of India and has been adjudged as one of the "Top 10 Universities in India" for the eighth consecutive year.. Amrita School of Medicine, Kochi has been ranked 6th Best in Medicine in NIRF Rankings 2023.

There are 7 campuses offering B.Tech programmes in more than 16 branches.

AMARAVATI CAMPUS

Amrita Vishwa Vidyapeetham is a leading multi-disciplinary and research-intensive university, establishing its campus in Amaravati. Nestled amidst the scenic beauty of the Krishna River and surrounded by natural wonders and historical sites, Amaravati city embodies the principles of sustainability and liveability. We are building one of the most buoyant centre of the research, education and technological advancement, in the all new greenfield capital city.

Amrita Vishwa Vidyapeetham, Amaravati Campus offers diverse programs including B.Tech, Integrated M.Sc. Physics, M.Sc. Physics, M.Sc. Data Science, and MBA. These programs are specifically designed to provide students with a comprehensive education that equips them with necessary skills and knowledge to excel in their prospective careers.

AMRITAPURI CAMPUS

Situated in the serene village of Vallikavu, our campus exudes a sense of warmth and tranquility, creating the perfect environment for intellectual growth and personal development. Our educational institution encompasses six prestigious schools and more than 20 research centres, catering to students passionate about various disciplines such as arts, business, humanities, natural sciences, and social sciences. With a sprawling 80-acre expanse of land, our campus provides ample space for learning, exploration, and recreation. The million square feet of built-up area includes state-of-the-art academic blocks, comfortable student hostels, and a range of modern amenities to enhance the overall campus experience.

Amrita Vishwa Vidyapeetham, Amritapuri Campus offers diverse programs including B.Tech, Integrated M. Sc. Physics, M. Sc. Physics, M. Sc. Data Science, and MBA. These programs are specifically designed to provide students with a comprehensive education that equips them with necessary skills and knowledge to excel in their prospective careers.

BENGALURU CAMPUS

Nestled in the heart of Bengaluru, a thriving center for research, education, and technological advancement, stands a dynamic institution at the forefront of the tech city. The 50 acres' campus, featuring green laws and the burgeoning trees, is well connected by road, rail and air. The campus offers MBA, B. Tech. programs in five disciplines and M. Tech. programs in six disciplines. The school seeks to prepare graduates with a solution-mindset and with a high degree of ethical standards. Departments are equipped with modern laboratories, design tools and software packages. vision to produce quality engineers with an attitude of service, for the benefit of the society and nation.

The Amrita School of Engineering, Bengaluru offers B. Tech. programs in five disciplines and M. Tech. programs in six disciplines. The school seeks to prepare graduates with a solution-mindset and with a high degree of ethical standards. Recruiters from the best companies and institutes in India and abroad seek out these students.

CHENNAI CAMPUS

The Chennai campus is a beacon for engineering aspirants and research scholars from across the globe, offering a range of cutting-edge programs designed around a choice-based credit system with continuous, hands-on evaluation. Here, students are mentored by a team of experienced and highly qualified faculty, who are dedicated to equipping them with the latest knowledge and skills to meet the demands of modern engineering.
As a thriving hub of art, technology, education, and industry, Chennai, the vibrant capital of Tamil Nadu, stands tall as one of India's foremost metropolitan cities, where tradition and progress go hand in hand.

Located just 40 km from the heart of Chennai, the School of Engineering is nestled in the serene village of Vengal, near the historic Periyapalayathamman Temple, along State Highway SH50A. This picturesque setting, between the Arani and Kosasthalaiyar rivers, spans 24,956 square meters of built-up area, providing a tranquil yet inspiring environment where the future of engineering is being shaped.

At the School of Engineering, dreams take flight, nurtured in an environment that encourages innovation, fosters creativity, and prepares students to be leaders in the ever-evolving world of technology.

COIMBATORE CAMPUS (HEADQUARTERS)

The beginnings of Amrita Vishwa Vidyapeetham, one of the top ranked deemed university, can be traced back to 1994 when a School of Engineering was established in an obscure village named Ettimadai, situated at the foothills of the Bouluvanpatty ranges of the Western Ghats in the Coimbatore district of Tamil Nadu. During that time, there were 120 students and 13 faculty members. Today, Amrita Vishwa Vidyapeetham has expanded to five campuses located in three different states of India. It has a student population of over 12,000 and a faculty strength of nearly 1,500. The university offers more than 120 UG, PG, and doctoral programs. When Amrita became an institution in January 2003, it was the youngest group of institutions to be conferred.

Amrita Vishwa Vidyapeetham, Coimbatore Campus offers diverse programs including B.Tech, Integrated M.Sc Courses, B.Sc, M,Sc, B.A., M.A, Courses, Agriculture and MBA.

FARIDABAD CAMPUS

Amrita Vishwa Vidyapeetham has launched B.Tech. and M.Tech. programmes in Artificial Intelligence and Data Science at our Faridabad Campus, Delhi NCR, with official approval from the All India Council for Technical Education (AICTE).

These pioneering programmes represent a significant advancement in technology education, blending cutting-edge AI techniques with a broad spectrum of applications across various industries. Students will gain hands-on experience through real-world projects and access to advanced AI facilities, preparing them to excel in diverse fields such as technology, finance, engineering, and more.

Program Highlights
Project-Based Learning: Engage in hands-on projects in labs and field settings.
Diverse Applications: Work on projects related to AI, robotics, IoT, VR, and more.
Expert Faculty: Learn from distinguished faculty with international experience.
State-of-the-Art Infrastructure: Benefit from modern classrooms and hostels.
Global Perspectives: Attend seminars and sessions conducted by leading experts from renowned institutions like Stanford, UC Davis, and IIT Bombay.

These programmes are crafted to nurture the next generation of leaders and innovators in AI and Data Science, setting the stage for breakthroughs across various sectors. Join us to be at the forefront of technological advancement and industry transformation.

Amrita Vishwa Vidyapeetham, Faridabad Campus offers diverse programs including Nursing, MBBS, Allied Health science courses, B.Tech and M.Tech.

NAGERCOIL CAMPUS

Located in the vibrant city of Nagercoil, Tamil Nadu, our sprawling 100-acre green campus offers the perfect blend of natural beauty and modern infrastructure, creating an ideal environment for academic growth and innovation.

Situated in Erachakulam, Nagercoil, Amrita Vishwa Vidyapeetham is a hub of educational excellence, inspired by Amma's vision of holistic education rooted in the philosophy of "Education for Life." Here, we emphasize compassion-driven research, nurturing not only intellectual growth but also a deep sense of responsibility towards society and the world.

Amrita's Nagercoil campus is a testament to academic and cultural harmony, offering a diverse array of disciplines across multiple schools and research centers. This reflects the rich educational heritage and cultural diversity of the region, making it a beacon for students aspiring to achieve both personal and professional success.

At Amrita, Nagercoil, we are committed to fostering an environment where students can thrive academically, culturally, and personally, equipping them with the tools they need to become leaders in their chosen fields.

B.TECH ADMISSION PROCEDURE

Admission to **B.Tech programmes** offered at our various campuses of Amrita Vishwa Vidyapeetham is managed by Directorate of Admissions.

Admission to **B.Tech programmes** offered at **Amrita School of Engineering** – Amaravati, Amritapuri, Bengaluru, Chennai, Coimbatore Faridabad and Nagercoil campuses for the Academic Year (AY) 2025-2026 is **through and based on the rank scored in:**

Amrita Entrance Examination – Engineering (AEEE) 2025 conducted by the University
(OR)
JEE Mains 2025 percentile

Students desirous of joining B.Tech programme, after passing their plus two or equivalent examination are required to attend our Engineering entrance examination (AEEE) 2025 or apply with the JEE Mains 2025 Percentile. Rank in AEEE 2025 is not mandatory if applied with JEE Mains 2025 Percentile. If JEE Mains is conducted multiple times, best percentile score among the multiple scores released prior to the Amrita Centralised Seat Allotment Process (CSAP) shall be submitted for the allotment.

Note: *Those who appear for +2 or Equivalent examination in March/April 2025 and expect to secure minimum marks* ***(as specified),*** *may also apply. However, the necessary mark sheets and certificates to prove the eligibility is to be produced at the time of admissions.*

ELIGIBILITY CRITERIA :

AGE/DATE OF BIRTH : Candidates, whose date of birth falls **on or after 1st July, 2004.**

EDUCATIONAL QUALIFICATIONS :

A pass in 10 + 2 (Class XII) or its equivalent examination from a recognized board with minimum **60% aggregate of marks in Mathematics, Physics and Chemistry and with not less than 55% in each of these three subjects, Physics, Chemistry and Mathematics.**

CAMPUSES & BRANCHES:

Amaravati (ARV) | Amritapuri (AMP) | Benagluru (BLR) | Chennai (CHE) | Coimbatore (CBE)

Faridabad (FBD) | Nagercoil (NGL)

Admission to B.Tech Programmes	ARV	AMP	BLR	CBE	CHE	FBD	NGL
Aerospace Engineering (AEE)				✓			
Artificial Intelligence (AI) And Data Science (AID)		✓	✓	✓	✓	✓	✓
Artificial Intelligence and Data Science (Medical Engineering) (AID (M))				✓			
Artificial Intelligence and Data Science (Cyber Physical Systems and Security) (AID(CPS&S))*				✓			
Artificial Intelligence and Data Science (Autonomous Agents & Robotics)(AID(AA & RS)*				✓			
Automation & Robotics Engineering (ARE)				✓			
Civil Engineering (CIE)				✓			
Chemical Engineering (CHE)				✓			
Computer Science & Engineering (CSE)	✓	✓	✓	✓	✓		✓
Computer Science & Engineering (Artificial Intelligence - CAI)	✓	✓	✓	✓	✓		
Computer & Communication Engineering (CCE)	✓			✓	✓		
Computer Science & Engineering (Cyber Security - CYS)		✓		✓	✓		
Electronics & Communication Engineering (ECE)		✓	✓	✓	✓		✓
Electrical & Electronics Engineering (EEE)		✓	✓	✓			
Electronics & Computer Engineering (EAC)		✓	✓				
Electrical & Computer Engineering (ELC)		✓	✓	✓			
Mechanical Engineering (MEE)		✓	✓	✓	✓		
Robotics And Artificial Intelligence (RAI)		✓	✓		✓		

Note: The listed B. Tech specialisations are subject to changes in accordance with the AICTE approval for 2025-26.

AEEE / JEE SEAT ALLOCATION OF SEAT for B.TECH PROGRAMS :

AEEE 2025	**:**	**70 % of the seat allotment**
JEE Mains 2025	**:**	**30 % of the seat allotment**
A candidate can choose to apply either through AEEE or JEE Mains 2025 individually or even select both.		

AMRITA ENTRANCE EXAMINATION ENGINEERING 2025 :

Amrita Entrance Examination – Engineering (AEEE) is the entrance test administered and conducted by Amrita Vishwa Vidyapeetham Deemed to be University for admission to its prestigious B.Tech programs offered across its various campuses. AEEE is a national-level exam, known for its rigorous and fair assessment of candidates' aptitude in subjects like Mathematics, Physics, Chemistry and English. AEEE offers students a gateway to join one of India's top-ranked private engineering institutions, renowned for its high academic standards, world-class academic infrastructure, & with emphasis on research & innovation.

By attending AEEE, candidates get the opportunity to study in a diverse and vibrant environment, with access to scholarship seats, global exposure, and cutting-edge learning resources, making Amrita Vishwa Vidyapeetham a preferred choice for aspiring engineers.

Amrita Entrance Examinations 2025 **(AEEE)** in the year 2025 will be conducted **ONLY** in **Computer Based Test** (CBT) mode in various centres at selected cities. Please be in touch with the admission website https;//aeee.amrita.edu for latest updates.

AEEE 2025 - CITIES:

Refer **APPENDIX I** for exam centres in selected cities.

AEEE 2025 - PATTERN:

Duration	Subjects	No. of Questions
150 Minutes (2.5 Hours)	**Maths, Physics, Chemistry, English**	**100 Questions**

AEEE 2025 – DATES AND SLOT TIMINGS:

Date of Examination	Slots per day	Timing
Phase I – February 1 and 2	**3 slots**	**8.30 -11.00 AM** **12.00 Noon - 02.30 AM** **03.30 – 06.00 PM**
Phase II – May 07 to 11		

(Dates are tentative. Slot bookings will be opened in advance before the date of examination)

Important Note:

(i) These dates are tentative
(ii) The number of days of the Examination will be changed depending on the strength of the candidates.
(iii) Dates may get deferred -
  a) Based on the government notifications
  b) In case there is any other major examination scheduled on these dates and / or due to which majority of the candidates are unable to appear for AEEE 2025.
  c) Because of any other reason

(iv) Candidates who are unable to attend Phase I of the AEEE 2025 will have the provision to attend Phase II.

(v) Candidates who have appeared in Phase I of the AEEE 2025 examination can also appear for Phase II examination by paying an additional fee of **INR 600**. This is an opportunity given to the candidates for improving their scores.

(vi) Best score from both Phase I and Phase II of AEEE 2025 will be taken for AEEE 2025 Ranking.

(vii) University holds the right to defer the mode **/ State/City/venue / dates** / **slots** of the examinations as per the situation, whatsoever, prevailing at that time.

(viii) Candidates are advised to check the registered email box or visit the website https://aeee.amrita.edu regularly for the latest updates.

AEEE 2025 REGISTRATION FEES :

AEEE only	AEEE + JEE	JEE only
INR 1200	INR 1200	INR 500

The application fee may be paid online either by credit / debit card or net banking. **In case the examination fee is paid through credit / debit card, the candidates may have to pay an additional processing charges of the concerned bank.**

Please note that fee submitted through any other mode like money order, demand draft, IPO etc. is not accepted for online applications.

Application fee once paid will not be refunded (full or partial) under any circumstances.

AEEE 2025 REGISTRATION/ APPLYING WITH JEE MAINS 2025 PERCENTILE

AEEE 2025 registration is fully online via the portal https://aeee.amrita.edu **The candidates are advised to have their own personal and valid email ID and mobile No.** The candidates are advised to retain the registered mobile number and email-id they have submitted in the Registration form till all the admission procedures are completed as all important updates will be informed to the candidates through SMS / e-mail or both to the registered mobile No. /e-mail ID.

You need to complete the following sections in order to submit the application for registration. Refer next section for more details on application form data. You are to fill all the details initially and complete the payment but the application is deemed to be completed only after the payment.

Details to be filled are:

a) **Personal Profile** :
STEP 1 – Profile Details (Name, Address & Contact details, upload Photograph, Signature)
STEP 2 – Parent / Guardian Details (Name, contact details)
STEP 3 – HSC / +2 Studied state Details

b) **Application Details** (In Dashboard) :
Name of Entrance Exam will be displayed – Candidate needs to select the AEEE 2025 by clicking on "APPLY" button.
- **Preference Selection :** Select the AEEE 2025 City preferences. (indicate 3 Choices)
- **JEE MAIN 2025 Percentile :** Intimate your willingness to be considered for allotment through JEE Mains Percentile.
- **Preview and Submit :** Preview the application and click submit button.

c) **Payment** (AEEE 2025 Registration Fee / Apply with JEE Mains 2025 Percentile)

d) **Academic Profile*** (Your State of studying +2, Marks of the qualifying examination & year, Last attended school, etc.,)

e) **Upload Documents***

NOTE: * Academic Profile, documents upload and JEE Mains 2025 Score Card (with percentile) may be entered after the publication of the results. **It is not mandatory to fill the same at the time of filling the application.**

AEEE 2025 REGISTRATION FORM DATA ENTRY

The name of the candidate and his/her parents' name in the application form must exactly be the same as registered in Class 10th Certificate. Prefix/title such as Mr./Shri/Fr/Dr/Mrs./Smt./Col etc., must not be used.

Candidates are requested to fill in the Application Form carefully. Candidates are instructed to intimate the Directorate of Admission for any necessary corrections / modifications of particular(s) of the application data, if any, prior to the Entrance Examination. Request for change will not be accepted after the Entrance Examination.

Note : ***Multiple Application Forms submitted by a candidate will not be accepted and will lead to the cancellation of his/her result.***

The candidates are advised not to send hard copy of the online application to the University. However, the candidates are advised to retain the hard copy of the application, i.e., acknowledgement page for future reference or correspondence, if any.

Application Form will be considered as complete only after the requisite application cost is made by the means specified.

AEEE CITIES

The names of the cities where AEEE 2025 will be conducted are listed in **Appendix–I**. Choose the city listed during the registration to attend the examination. A candidate appearing for AEEE 2025 should submit three preferences from the list of cities in Appendix – I. Examination will be conducted in a centre in these cities, provided there are enough candidates. The preferences submitted by the candidate are only indicative and a guide to the University for deciding the number of centres in each city. A candidate will be allotted one out of the three preferred cities, preferably the first preferred city. If exam cannot be conducted at the first preferred city of a candidate, for any reason whatsoever, he / she will be allotted to second / third preference as applicable. University will put all efforts to conduct examination at all the cities listed in the appendix. If any city in the list is cancelled due to very less registrations or for any other reason, the candidates who have opted for that city will be allotted to another city nearest to their preference and the same will be informed to the candidates by email.

REQUESTS FOR CHANGE OF EXAMINATION CITY/ TOWN

The requests for change of cities will not be entertained after the application submission. The decision of the Admission Committee will be final in case of any such requests raised in this regard.

SYLLABUS, PATTERN AND EVALUATION

- The questions are based on the syllabus of Class 11 & Class 12 .
- **The syllabus for AEEE 2025 is appended in Appendix – II.**
- The pattern of examination paper for **AEEE 2025** is given in the website: **https://aeee.amrita.edu**
- All the questions are of **Multiple-Choice type** and will have four options as possible answers.
- Candidates can choose the most appropriate answer for each question. Answers marked can be changed later, before the final submission of all the answers.
- **3 (Three) marks** are awarded for each correct answer and -1(**negative one**) for each wrong answer.

NUMBER OF QUESTIONS AND MARK DISTRIBUTION for AEEE 2025:

Subject	No. of Questions	Marks (3)
Mathematics	40	120
Physics	30	90
Chemistry	25	75
English	05	15
TOTAL	**100**	**300**

Use of Calculator and Communication Aids

Use of electronic devices like mobile phones, calculators etc. are **NOT PERMITTED** for AEEE 2025. Materials like log table, book, notebook, Instruments, any kind of paper, stationery, Textual material. (printed or written), watches with facilities of calculator, any metallic item or electronic gadgets/devices etc. should **NOT** be brought into the examination hall for CBT.

SLOT BOOKING FOR AEEE 2025:

Candidates registered for AEEE 2025 shall select **"DATE AND TIME"** of their choice, SUBJECT TO AVAILABILITY, by visiting the admission portal on or before the last date. This process is called "**SLOT BOOKING**." Test Centre, Number of days and Number of operating slots in a day will be finalised based on the number of candidates for a particular city. The allotment of date / slot will be on first come first serve basis. If a candidate does not exercise his / her option, he/she shall be assigned a date/ slot as per the availability of the same. To Book Exam Date and Slot, registered candidates need to click the slot booking link provided in the portal and follow the instructions given below:

a) Candidates shall login to the application portal using their registered Mobile Number / Email Id and will be logged in only after OTP verification.

b) After logging in, the candidates can select the test date and test slots based on the availability.

c) Since other candidates will also be using the same slot booking portal simultaneously, sometimes the status presented may change by the time the candidate finishes his/her selection and the particular slot chosen by the candidate may not be available. In such case, the candidate will be prompted to choose another date and slot. To change the test date, click on Change Test Date button. Candidates are advised to check selection of Test. Centre, Date and Time before confirmation. Click "Confirm Slot" button to confirm booking.

d) A slot once booked cannot be changed under any circumstances. Requests for change of test centers also will not be entertained. The address of the examination centre for a candidate will be mentioned in the Admit Card, which can be downloaded.

DOWNLOADING THE ADMIT CARD

Admit Card is issued provisionally to the candidate to attend AEEE 2025. Admit Card is generated only to those eligible candidates who have booked their slot. Slots can be booked only if the AEEE 2025 registration is completed in all respects.

Admit Card for AEEE 2025 can be downloaded from the portal after booking the slot.

1. Admit Card will not be sent by post. The Admit Card will contain details like the Name and Registration Number of the candidate, Date of Exam, Address of the Exam Centre allotted etc.
2. After downloading the admit card, ensure that the data is printed as per the application form submitted by you.
3. Admit Card is an important document and must be kept safe till the completion of admission procedure.
4. Candidate will not be permitted to appear for the AEEE 2025 without a valid Admit Card. Candidate should produce his/her Admit Card when demanded by the invigilator In the examination hall.
5. Candidates shall appear at their own cost at the centre on the date and slot as indicated in the Admit Card issued by the University.
6. Request from a candidate for change of city allotted to him/her will NOT be entertained under any circumstances.
7. Issue of Admit Cards, however, shall not necessarily mean acceptance of eligibility which shall be further scrutinized at subsequent stages of the admission process.

AEEE 2025 GUIDELINES FOR CANDIDATES

The computer lab at the center will be opened one hour before the commencement of AEEE 2025 on respective dates & time slot. The candidates shall occupy their seats 30 minutes prior to the commencement of the examination. Candidates are likely to miss some of the general instructions to be announced in the lab in the event of late arrival. A seat with AEEE 2025 registration number is allocated to each candidate. Candidates shall occupy only their allotted seat. If any candidate is found to have changed the seat other than the allotted one, his/her AEEE 2025 candidature will be cancelled, and no plea would be accepted. The candidate must show, on demand, the Admit Card to enter the lab. The examination will start at the time mentioned in the Admit Card. The invigilator will check the Admit Card of the candidate to satisfy himself/herself about the identity of each candidate during the examination.

Candidates are to approach the Invigilator in the room for any technical assistance, first aid emergency, or for any other information during the course of the examination.

In case a candidate, by furnishing false information, appears in more than one slot/date in a particular phase, his/her candidature will be cancelled and his/her result will not be declared.

Note:
Link to attend sample/mock examination is published on the website for practice purposes and to get acquainted with Computer Based Test (CBT).

CODE OF CONDUCT

The candidates are governed by the Rules and Regulations of the University regarding their conduct during the examination. All cases of unfair means will be dealt with as per university rules and government rules/policies/laws. Candidates shall maintain perfect silence and attend to their exam only. Any conversation or gesture or disturbance during the examination shall be deemed as misbehavior.

If a candidate is found using unfair means or impersonating, his/her candidature shall be cancelled, and he/she will be liable to be debarred for taking examination either permanently or for a specified period according to the nature of offence. The decision of the Admission Committee is final and is binding on the candidate.

The result of the candidate(s) who indulges in Unfair means / practices will be cancelled and will not be declared. Similarly, the result of those candidates who appear from the centre other than the one allotted to them or allow another candidate/person to write the examination on his behalf will be cancelled. No plea will be entertained in this regard.

AEEE 2025 RESULTS

AEEE 2025 rank will be released for all the candidates who have appeared in Amrita Entrance Examination - Engineering 2025 provided the candidate has not indulged in any sort of malpractice and /or against the rules and regulations of the examination as laid by the University. Candidates will be able to view their results in the admission portal.

TERMS AND CONDITIONS FOR AWARD AND RENEWAL OF SCHOLARSHIP FEES for B.Tech:

Scholarship Fees i.e. Slabs 1 & 2 is allotted for the Academic Year 2025-2026 ONLY.

Renewal of scholarship Fees for subsequent years is subject to meeting the following conditions:

1. Consistent Academic performance by securing a Cumulative Grade Point Average (CGPA) of
   (i) **Category I – 8.0** and above in the case of Scholarship Slab 1 at the end of each academic year
   (ii) **Category II – 7.5** and above in the case of Scholarship Slab 2 at the end of each academic year
2. **No disciplinary action during the period of study in the University.**
3. **Clearing each semester without any arrear**

Failing to meet the aforesaid conditions 1, 2 and 3 the candidate will be required to pay higher fees in the subsequent years.

Category I:

- If Slab 1 Student maintains CGPA 8.0 and above, the same fees slab will continue.
- If his/her CGPA is between 7.5 and 8.0, he/she will pay Slab 2 fees in the subsequent year.
- If his/her CGPA is below 7.5, he/she will pay Regular fees Slab 3 in the subsequent year.

Category II:

- If Slab 2 Student maintains CGPA between 7.5 and above, the same fees slab will continue.
- If his/her CGPA is below 7.5 he/she will pay Regular fees Slab 3 in the subsequent year.

In the event a student moves to higher fee slab due to not meeting conditions 1, 2 and 3 above, the student will not be able to move back to the old slab even if his/her CGPA improves in further subsequent years.

FEE STRUCTURE:

Refer our website : www.aeee.amrita.edu

POLICIES & RULES ON WITHDRAWAL / CANCELLATION OF ADMISSION

Procedures and rules on the withdrawal from the admission process is published prior to the counseling process. Candidates are requested to visit the application portal for all the admission updates.

REFUND POLICY

- Refund will be made as per the norms of University Grants Commission (UGC)/respective Statutory Council.
- Refund will be made only after the candidate has entered all the necessary details in the portal and no dues certificate in case of those cancelling the admission after the commencement of classes. The refund will be made through account transfer to the account mentioned in the withdrawal request. Hence, the correct bank account details may be provided in the withdrawal request.
- Refund will be effected only after the final allotment.

SETTLEMENT OF DISPUTES:

In case of any disputes in the interpretation of any of the conditions included in this handbook or in any other matter related to B.Tech admissions 2025 covered by the Rules and Regulations contained herein, decision of the Director of Admissions, Amrita Vishwa Vidyapeetham will be final and binding on the candidate.

JURISDICTION:

Courts situated in Coimbatore District, Tamil Nadu only will have jurisdiction over disputes, if any, arising on the matter of application and/or admission to the courses covered in these Rules and Regulations.

ALL CORRESPONDENCE RELATED TO B.TECH ADMISSION SHOULD BE ADDRESSED TO :

Directorate of Admissions
Amrita Vishwa Vidyapeetham,
Amritanagar (PO), Ettimadai,
Coimbatore – 641112, Tamilnadu.
Phone **: 044 - 46276066** [Toll Free]
Email : **aeee@amrita.edu**

APPENDIX I:

Sl. No.	State	Exam City Name
1	**Andaman and Nicobar Islands**	NICOBAR
2	**Andhra Pradesh**	ANANTAPUR
3		EAST GODAVARI
4		GUNTUR
5		KAKINADA
6		KRISHNA
7		KURNOOL (incl. Kallur)
8		NELLORE
9		PRAKASAM (ONGOLE)
10		SRIKAKULAM
11		TIRUPATI
12		VIJAYAWADA
13		VISAKHAPATNAM
14		VIZIANAGARAM
15		WEST GODAVARI
16		YSR (CUDAPPA)
17	**Arunachal Pradesh**	ITANAGAR
18	**Assam**	GUWAHATI
19	**Bihar**	BHAGALPUR
20		MUZZAFARPUR
21		PATNA
22	**Chhattisgarh**	BILASPUR (CHHATTISGARH)
23		DURG
24		RAIPUR
25	**Chandigarh**	CHANDIGARH
26	**Delhi/New Delhi**	DELHI
27	**Goa**	GOA
28	**Gujarat**	AHMEDABAD
29		GANDHINAGAR
30		RAJKOT
31		SURAT
32		VADODARA
33	**Haryana**	FARIDABAD
34		GURUGRAM (Gurgaon)
35		SONIPAT
36	**Himachal Pradesh**	SHIMLA
37	**Jammu and Kashmir**	JAMMU
38	**Jharkhand**	BOKARO
39		DHANBAD
40		JAMSHEDPUR
41		RANCHI

Sl. No.	State	Exam City Name
42	Karnataka	BALLARI (Bellary)
43		BELAGAVI (Belgaum)
44		BENGALURU (Bangalore)
45		CHIKKAMAGLUR
46		DAVANGERE
47		DHARWAD
48		HASSAN
49		HUBLI
50		KALABURGI
51		KODAGU
52		KOLAR
53		MADIKERI
54		MANDYA
55		MANGALORE
56		MYSURU
57		RAICHUR
58		TUMKUR (TUMAKURU)
59		UDUPPI
60	Kerala & Mahe	ALAPUZHA
61		AMRITAPURI(KOLLAM)
62		ERNAKULAM
63		KANNUR
64		KASARAGOD
65		KOTTAYAM
66		KOZHIKODE
67		MALAPPURAM
68		PALAKKAD
69		PATHANAMTHITTA
70		THIRUVANANTHAPURAM
71		THRISSUR
72	Madhya Pradesh	BHOPAL
73		GWALIOR
74		INDORE
75		JABALPUR
76	Maharashtra	AURANGABAD
77		MUMBAI
78		NAGPUR
79		PANVEL
80		PUNE (Poona)
81	Meghalaya	SHILLONG
82	Mizoram	AIZAWL
83	Nagaland	KOHIMA
84	Odisha	BHUBANESHWAR
85		CUTTACK
86		KHORDHA

Sl. No.	State	Exam City Name
87	**Punjab**	AMRITSAR
88		JALANDHAR (Jullundur)
89		LUDHIANA
90	**Rajasthan**	JAIPUR
91		JODHPUR
92		KOTA
93		SIKAR
94		UDAIPUR
95	**Sikkim**	GANGTOK
96	**Tamil Nadu & Puducherry**	CHENGALPATTU
97		CHENNAI (Madras)
98		COIMBATORE
99		CUDDALORE
100		DINDIGUL
101		ERODE
102		HOSUR
103		KANCHIPURAM (KANCHEEPURAM)
104		KARUR
105		MADURAI
106		NAGERCOIL
107		NAMAKKAL
108		OOTTY
109		PONDICHERY (Puducherry)
110		SALEM
111		THANJAVUR
112		THENI
113		THENKASI
114		THIRUVALLUR (Tiruvallur)
115		THOOTHUKKUDI
116		TIRUCHIRAPALLI
117		TIRUNELVELI
118		TIRUPPUR
119		VELLORE
120		VIRUDHUNAGAR

Sl. No.	State	Exam City Name
121	Telangana	HYDERABAD
122		KARIMNAGAR
123		KHAMMAM
124		MEHBUBNAGAR (Mahabubnagar)
125		NALGONDA
126		NIZAMABAD
127		RANGAREDDY
128		SANGAREDDY
129		SURYAPET
130		WARANGAL
131	Tripura	AGARTALA
132	Uttar Pradesh	AGRA
133		ALLAHABAD/PRAYAGRAJ
134		BAREILLY
135		GHAZIABAD
136		GORAKHPUR
137		KANPUR
138		LUCKNOW
139		MATHURA
140		MEERUT
141		NOIDA/GREATER NOIDA
142		VARANASI
143	Uttarakhand	DEHRADUN
144	West Bengal	ASANSOL
145		DURGAPUR
146		KOLKATA (Calcutta)
147		SILIGURI
148	Lakshadweep	LAKSHADWEEP
149	UAE	DUBAI

APPENDIX – II :

SYLLABUS FOR AEEE 2025

MATHEMATICS

Unit 1: Sets, Relations and Functions: Sets and their representation: Union, intersection and complement of sets and their algebraic properties; Power set; Relation, Type of relations, equivalence relations, functions; one- one, into and onto functions, the composition of functions.

Unit 2: Complex Numbers: Complex numbers in the form a+ib and their representation on a plane. Argand diagram. Algebra of complex numbers, Modulus and argument (or amplitude) of a complex number, square root of a complex number. Cube roots of unity, triangle inequality.

Unit 3: Permutations and Combinations: Fundamental principle of counting; Permutation as an arrangement and combination as selection, simple applications.

Unit 4: Binomial Theorem: Binomial theorem for positive integral indices. General and middle terms in binomial expansions, simple applications.

Unit 5: Sequences and Series: Arithmetic, Geometric and Harmonic progressions. Insertion of Arithmetic, Geometric and Harmonic means between two given numbers. Relation between A.M., G.M. and H.M. Special series ∑n, ∑n2, ∑n3.Arithmetico-Geometric Series, Exponential and Logarithmic Series.

Unit 6: Matrices and Determinants: Determinants and matrices of order two and three, Properties of determinants. Evaluation of determinants. Addition and multiplication of matrices, adjoint and inverse of matrix. Solution of simultaneous linear equations using determinants.

Unit 7: Quadratic Equations: Quadratic equations in real and complex number system and their solutions. Relation between roots and coefficients, Nature of roots, Formation of quadratic equations with given roots.

Unit 8: Trigonometry: Trigonometrical identities and equations. Inverse trigonometric functions and their properties. Properties of triangles including centroid, incentre, circumcentre and orthocentre, Solution of triangles. Heights and distances.

Unit 9: Measures Of Central Tendency and Dispersion: Calculation of Mean, Median and Mode of grouped and ungrouped data, Calculation of standard deviation, variance and mean deviation for grouped and ungrouped data.

Unit 10: Probability: Probability of an event, addition and multiplication theorems of probability and their applications; Conditional probability; Bayes' theorem, Probability distribution of a random variate; Binomial and Poisson distributions and their properties.

Unit 11: Differential Calculus: Polynomials, rational, trigonometric, logarithmic and exponential functions; Graphs of simple functions, Limits, Continuity; Differentiation of the sum, difference, product and quotient of two functions; Differentiation of trigonometric, inverse trigonometric, logarithmic, exponential, composite and implicit functions; Derivatives of order upto two, Applications of derivatives; Maxima and Minima of functions one variable, tangents and normals, Rolle's and Langrage's Mean Value Theorems.

Unit 12: Integral Calculus: Integral as an anti-derivative. Fundamental integrals involving algebraic, trigonometric, exponential and logarithmic functions; Integration by substitution, by parts and by partial fractions; Integration using trigonometric identities; Integral as a limit of sum; Properties of definite integrals. Evaluation of definite integral; Determining areas of the regions bounded by simple curves.

Unit 13: Differential Equations: Ordinary differential equations, their order and degree; Formation of differential equation; Solutions of differential equations by the method of separation of variables; Solution of Homogeneous and linear differential equations of first order.

Unit 14: Co-ordinate Geometry: Review of Cartesian system of rectangular co-ordinates in a plane, distance formula, area of triangle, condition for the collinearity of three points, slope of a line, parallel and perpendicular lines, intercepts of a line on the coordinate axes.

Unit 15: The Straight Line and Pair of Straight Lines: Various forms of equations of a line, intersection of lines, angles between two lines, conditions for concurrence of three lines, distance of a point from a line. Equations of internal and external bisectors of angles between two lines, equation of family lines passing through the point of intersection of two lines, homogeneous equation of second degree in x and y, angle between pair of lines through the origin, combined equation of the bisectors of the angles between a pair of lines, condition for the general second degree equation to represent a pair of lines, point of intersections and angles between two lines.

Unit 16: Circles and Family of Circles: Standard form of equation of a circle, general form of the equation of a circle, its radius and centre, equation of a circle in the parametric form, equation of a circle when the end points of a diameter are given, points of intersection of a line and circle with the centre at the origin and condition for a line to be tangent, equation of a family of circles through the intersection of two circles, condition for two intersecting circles to be orthogonal.

Unit 17: Conic Sections: Sections of cones, equations of conic sections (parabola, ellipse and hyperbola) in standard forms, conditions for y = mx+c to be a tangent and point(s) of tangency.

Unit 18: Vector Algebra: Vector and scalars, addition of two vectors, components of a vector in two dimensions and three-dimensional space, scalar and vector products, scalar and vector triple product. Application of vectors to plane geometry.

Unit 19: Three-Dimensional Geometry: Distance between two points. Direction cosines of a line joining two points. Cartesian and vector equation of a line. Coplanar and skew lines. Shortest distance between two lines. Cartesian and vector equation of a plane. Angle between (i) two lines (ii) two planes (iii) a line and a plane. Distance of a point from a plane.

PHYSICS

Unit 1: Units and dimensions

Units for measurement, system of units, SI, fundamental and derived units, dimensional analysis.

Unit 2: Kinematics:

Uniform and non-uniform motion, average speed and instantaneous velocity, uniformly accelerated motion, velocity- time, position-time graph, relations for uniformly accelerated motion, Scalars and Vectors, Vector. Addition and subtraction, zero vector, scalar and vector products, Unit Vector, Resolution of a Vector. Relative Velocity, Motion in a plane, Projectile Motion, Uniform Circular Motion.

Unit 3: Mechanics

Motion in one-dimension, uniform and non-uniform motion, uniformly accelerated motion; Scalars and Vectors, resolution of Vectors, vector properties. Motion in a plane, Projectile motion, Uniform circular motion.

Newton's laws of motion, conservation of linear momentum, Friction; Work-Energy theorem, kinetic energy, potential energy, conservation of energy; elastic collision in one and two dimensions.

Center of mass of a system of particles, centre of mass of a rigid body, rotational motion and torque, angular momentum and its conservation, moments of inertia for various geometries , parallel and perpendicular axes theorem.

Universal law of gravitation, acceleration due to gravity, planetary motion, Kepler's laws, Satellites, gravitational potential and potential energy and escape velocity.

Unit 4: Solids and Fluids

Solids: Elastic properties, Hooke's law, Young's modulus, bulk modulus, rigidity modulus.

Liquids: Cohesion and adhesion; surface energy and surface tension; flow of fluids; Bernouli's theorem and applications; viscosity, Stoke's law, terminal velocity

Unit 5: Oscillations and Waves

Oscillations: Oscillatory motion - periodic and non-periodic motion; simple harmonic motion (SHM), angular SHM, linear harmonic oscillator – both horizontal and vertical; combination of springs – series and parallel, simple pendulum; Expression of energy – potential energy, kinetic energy and total energy; Graphical representation of SHM; Types of oscillations – free, damped, maintained and forced oscillations and resonance.

Wave Motion: Properties of waves; Transverse and Longitudinal waves; Superposition of waves, Progressive and Standing waves; Vibration of strings and air columns, beats, Doppler Effect.

Unit 6: Heat and Thermodynamics

Heat, work and temperature; Ideal gas laws; Specific heat capacity, Thermal expansion of solids, liquids and gases, Relationship between Cp and Cv for gases; Newton's law of cooling, black body, Kirchoff's law, Stafan's law and Wein's law, thermodynamic equilibrium, internal energy; Zeroth, first and second law of thermodynamics, thermodynamic processes, Carnot cycle, efficiency of heat engines, refrigerator

Unit 7: Electrostatics, Current Electricity and Magnetostatics

Electric charges and Fields: Electric Charge; Conductors and Insulators, Charging by Induction, Basic Properties of Electric Charge, Coulomb's Law, Forces between Multiple Charges, Electric Field, Electric Field Lines, Electric Flux, Electric Dipole, Dipole in a Uniform External Field, Continuous Charge Distribution, Gauss's Law, Applications of Gauss's Law.

Electrostatic potential and Capacitance: Electrostatic potential, Potential due to a point charge, electric dipole, system of charges. Equipotential surfaces; Potential energy of a system of charges, potential energy in an external field, Electrostatics of conductors, Dielectric and Polarization, Capacitors and Capacitance, parallel plate capacitor, effect of dielectric on capacitance combination of capacitors, energy stored in a capacitor, Van de Graaff Generator.

Current Electricity: Electric current, electric currents in conductors, Ohm's law, drift of electrons and the origin of Resistivity, temperature dependence of resistivity, electrical energy, power, combination of resistors, series and parallel, cells, emf, internal resistance, cells in series and in parallel, Kirchhoff's Rules, Wheatstone bridge, Meter bridge, potentiometer.

Heating effects of current: Electric power; concept of thermoelectricity – Seebeck effect and thermocouple, chemical effect of current – Faraday's laws of electrolysis.

Magnetic effects: Oersted's experiment, BiotSavart's law, magnetic field due to a straight wire, circular loop and solenoid, force on a moving charge in a uniform magnetic field (Lorentz force), forces and torques on a current carrying conductor in a magnetic field, force between current carrying wires, moving coil galvanometer and conversion to ammeter and voltmeter.

Magnetostatistics: Bar magnet, magnetic field, lines of force, torque on a bar magnet in a magnetic field, earth's magnetic field; para, dia, and ferro magnetism, magnetic induction and magnetic susceptibility.

Unit 8: Electromagnetic Induction and Electromagnetic Waves

Electromagnetic Induction: Induced e. m. f: Magnetic flux, Faraday's law, Lenz's Law and Conservation of Energy, self and mutual inductance.

Alternating Current: Impedance and reactance; power in AC circuits; AC voltage applied to resistor, inductor, capacitor, LCR circuits and resonance, transformer and AC generator.

Electromagnetic Waves: Electromagnetic waves characteristics, electromagnetic spectrum from gamma to radio waves.

Unit 9: Kinetic Theory of Gases: Equation of state of a perfect gas, work done on compressing a gas, Kinetic theory of gases - assumptions, the concept of pressure. Kinetic energy and temperature: RMS speed of gas molecules: Degrees of freedom. Law of equipartition of energy, applications to specific heat capacities of gases; Mean free path. Avogadro's number.

Unit 10: Ray and Wave Optics

Ray Optics and optical instruments: Reflection and refraction of light by plain spherical mirrors - Total Internal Reflection; optical fiber; deviation and dispersion of light by a prism; lens formula; magnification and resolving power; microscope and telescope.

Wave Optics: Huygens principle: Wave nature of light, interference of light waves and Young's experiment, thin films, Newton's rings, Diffraction – single slit, grating, Polarization and applications.

Unit 11: Modern Physics

Dual nature of radiation and matter: De Broglie relation, Electron emission, photoelectric effect, experimental study, Einstein's photoelectric equation: Energy quantum of radiation; particle nature of light, the photon, wave nature of matter.

Atoms: Alpha-particle scattering and Rutherford's nuclear model of atom, atomic spectra, Bohr model of the hydrogen atom; the line spectra of the hydrogen atom.

Nuclei: Atomic masses and composition of nucleus; size of the nucleus; mass-energy and nuclear binding energy; nuclear force; radioactivity; nuclear energy

Semiconductor materials, devices and simple circuits: Energy bands in solids; classification of metals, conductors and semiconductors; intrinsic semiconductor, extrinsic semiconductor, p-n junction, semiconductor diode, junction diode as a rectifier, junction transistor, transistor as an amplifier.

CHEMISTRY

Unit 1 – Basic Chemical calculations: Density - mole concept - empirical and molecular formula – stoichiometry - volumetry, equivalent and molecular masses, percentage composition

Unit 2 - Atomic structure & periodicity: Atomic models, sub-atomic particles, orbital shapes, Pauli's exclusion, Hund's rule, Aufbau principle, de-Broglie relation, Heisenberg's uncertainty, electronic configuration and periodic properties.

Unit 3 - Chemical bonding: Ionic bonding, lattice energy – Born-haber cycle, covalent bond - Fajan's Rule –VSEPR theory -- hybridization, valence bond and molecular orbital theory, coordinate, metallic and hydrogen bonding

Unit 4 - S-block and hydrogen: Hydrogen, isotopes, liquid hydrogen as fuel, alkali metals, oxides and hydroxides, extraction and properties of lithium, sodium and potassium. Group 2 elements and their properties.

Unit 5 - P-block elements: Boron - borax, boranes, diboranes, Carbon - allotropes, oxides, carbides, halides and sulphides of carbon group- silicon and silicates – silicones, Nitrogen – Fixation – compounds of nitrogen- Phosphorous – allotropes and compounds. Oxygen - oxides and peroxide. Sulphur – its compounds - inter-halogen compounds.

Unit 6 - d and f block elements: d-block elements configuration and properties - transition elements, chromium, copper, zinc, silver, interstitial compounds and alloys, f - block elements and extraction, lanthanides and actinides

Unit 7 - Solid state: Solids - amorphous and crystalline, classification of crystalline - unit cell, Miller indices - packing efficiency, unit cell dimensions, crystal structure, ionic crystals, imperfections in solids, electric and magnetic properties.

Unit 8 - Coordination compounds: Terminology in coordination- isomerism, Werner, VBT, CFT theories - Bio- coordination compounds.

Unit 9 - Gaseous State & Surface chemistry: Gaseous state and gas laws, deviation- van der Waal's constants - Joule-Thomson effect - liquefaction of gases, theory of catalysis, colloids and emulsions.

Unit 10 - Colligative properties: Lowering of vapour pressure, Depression of freezing point, Elevation in boiling point, Osmotic pressure, abnormality - dissociation and association

Unit 11 – Electrochemistry: Faraday's laws - specific, equivalent and molar conductances, Kohlraush's law and applications- electrode potentials - EMF, electrochemical and, galvanic cells, Nernst equation, batteries, fuel cells, corrosion and its prevention.

Unit 12 -Thermodynamics: First and second law- internal energy, enthalpy, entropy, free energy changes– specific heats at constant pressure and constant volume – enthalpy of combustion, formation and neutralization, Kirchoff law – Hess's law - bond energy

Unit 13 - Chemical and Ionic Equilibria: Law of chemical equilibrium, homogenous and heterogeneous equilibrium, Le Chatlier's principle, equilibrium constants, factors affecting- Ionic equilibrium, ionization of acids and bases, buffer solutions, pH -solubility of sparingly soluble salts

Unit 14 - Chemical kinetics: Order, molecularity, rate and rate constant – first and second order reactions - temperature dependence, factors influencing rate of reaction, integrated rate equation, collision theory of chemical reaction

Unit 15 - Basic Organic chemistry: Classification, functional groups, nomenclature and isomerism, types of organic reactions, mechanism, purification, qualitative and quantitative analysis carbocation, carbanion and free radical, electron displacement in covalent bond.

Unit 16 - Hydrocarbons & Polymers: IUPAC nomenclature, alkanes –alkynes – aromatic hydrocarbons-nomenclature, preparation, physical and chemical properties uses. Polymerization – types, molecular mass, biodegradable and commercial polymers.

Unit 17 - Organic halogen compounds: Nature of C-X bond- preparation - properties and reactions of alkyl and aryl halides- polyhalogen compounds - substitution and elimination – mechanism- Grignard reagents.

Unit 18 - Stereochemistry and Organic nitrogen compounds: Preparation - properties and uses of Aliphatic and aromatic nitro compounds --aliphatic and aromatic amines, nitriles, Diazonium salts. – 1°, 2°, and 3° amines – distinction - Optical activity.

Unit 19 - Organic functional groups – hydroxyl, carbonyl compounds and ethers: Nomenclature, preparation, properties and uses of alcohols, ethers, aldehydes, ketones, aliphatic carboxylic acids, benzoic acid - salicylic acid.

Unit 20 - Biomolecules and Environmental chemistry: Carbohydrates, proteins, amino acids - enzymes, vitamins, and nucleic acids - lipids. Pollution. - air, water and soil - industrial waste, acid rain, greenhouse effect, global warming, Strategies to control pollution.

ENGLISH

Articles, Synonyms, Antonyms, Preposition, Verbs.

Note:

This handbook contains general information and rules regarding the Amrita Engineering Entrance Examination 2025 and other relevant details. Candidates are required to go through the handbook carefully and acquaint themselves with the procedures relating to the admission. The contents of the handbook are subject to modification, as may be deemed necessary, by the University. The decision of the University will be final and binding on any issue related to the admission.