

# **Annamalai University**

**(A State University Accredited with 'A' Grade by NAAC)  
CELEBRATING 90<sup>th</sup> YEAR OF ACADEMIC EXCELLENCE – 2019**

## **Faculty of Engineering and Technology**

### **Engineering Admissions - 2019**

**(Informations & Instructions to Candidates)**

[Admissions to the First Year B.E. programmes has been included in the Tamil Nadu Engineering Admission (TNEA). **Counselling Code 0005**]

### **B.E. Prospectus 2019 - 20**

**(Information & Instructions to Candidates)**

Annamalai University, one of the largest unitary, teaching, and residential Universities in the country, was established and incorporated in the year 1929 as per the Annamalai University Act 1928 (Tamil Nadu Act 1 of 1929). Now, the Annamalai University Act, 1928 has been repealed and replaced by the Annamalai University Act 2013 (Tamil Nadu Act 20 of 2013). Honourable Governor of Tamil Nadu is the Chancellor of the University.

ACCREDITED  
WITH 'A' GRADE BY  
NAAC



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# Annamalai University

In the early 1920s Rajah Sir S. R. M. Annamalai Chettiar founded Sri Minakshi College, Sri Meenakshi Tamil College and Sri Meenakshi Sanskrit College at Chidambaram. In 1928, Rajah Sir S.R.M. Annamalai Chettiar agreed with the local Government to handover the above said institution for establishing a University. Thus, on 01.01.1929 Annamalai University was established as per Annamalai University Act 1928 (Tamil Nadu Act 1 of 1929).

One of the most significant developments is the enactment of the Annamalai University Act, 2013 (Tamil Nadu Act 20 of 2013), which has come into force from September 25, 2013. Annamalai University is accredited with 'A' Grade by **NAAC** in 2014. "**The Times Higher Education World University Ranking - 2018**" has ranked Annamalai University in 801 - 1000 for Overall category and 401 - 500 for Life Sciences category. "**The CWTS Leiden Ranking 2017**", on scientific impact of universities and on universities' involvement in scientific collaboration & scientific performance, has ranked the University at 14<sup>th</sup> based on the number of publications and 3<sup>rd</sup> based on the proportion of publications that, compared with other publications in the same field and in the same year, belong to the top 10% most frequently cited. "**The Nielsen - India Today Ranking**" (2017) has ranked Annamalai University 11<sup>th</sup> among the top 30 Universities in India. Among the top 100 institutions for Higher Education in India the "**SCImago Institutional Ranking**" has ranked Annamalai University as 4<sup>th</sup> in Tamil Nadu and 20<sup>th</sup> in India.

Annamalai University is one of the largest unitary, teaching, and residential Universities in Southern Asia comprising of 10 Faculties and 49 departments of study. This University has played a pivotal role in providing access to higher education to thousands of youth cutting across the social spectrum, especially from economically and socially disadvantaged classes. In this respect, this University's service to the nation is tremendous.

The University Library, named after the eminent scholar, statesman and former Vice-Chancellor Dr. Sir C.P. Ramaswami Iyer, serves as knowledge hub for the students and the staff. Quite a good number of journals can be accessed through the Infonet facility. Science Direct is subscribed through which 340 journals can be accessed.





The sports complex of the University spread over several acres, houses facilities for sports and games. Tennis court complex, basketball complex, volleyball complex, athletic standard track, cricket field & nets, football field, hockey field and a wooden floored indoor stadium are a few worth mentioning.



## I. Faculty of Engineering & Technology

With the objective and a dynamic vision to support contemporary Engineering, the Faculty of Engineering and Technology (FEAT) was established in the year 1945, as the Second Engineering College of the then composite Madras State.

The FEAT proudly celebrated its Golden Jubilee in the year 1996 and Diamond Jubilee in the year 2005.

The FEAT has Eleven Departments of study namely Chemical Engineering, Civil Engineering, Civil & Structural Engineering, Computer Science & Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Electronics & Instrumentation Engineering, Information Technology, Mechanical Engineering, Manufacturing Engineering and Pharmacy.

### Programmes Offered

#### 1. B.E. Programmes

Sl.No.	Code	Branch	Approved Intake
1.	CH	Chemical Engineering	120
2.	CE	Civil Engineering	60
3.	CZ	Civil and Structural Engineering	60
4.	CS	Computer Science and Engineering	120
5.	CS	Computer Science and Engineering (Big Data Analysis)	60
6.	CS	Computer Science and Engineering (Machine Learning)	60
7.	EE	Electrical and Electronics Engineering	120
8.	EC	Electronics and Communication Engineering	60
9.	EI	Electronics and Instrumentation Engineering	120
10.	IT	Information Technology	120
11.	ME	Mechanical Engineering	120
12.	MM	Mechanical Engineering (Manufacturing)	120

**Note :** 1) Admission to the First Year programmes has been included in the Tamil Nadu Engineering Admission (TNEA). **Counselling Code 0005.**

2) The duration of all the programmes offered is four academic years comprising of eight semesters.



**2. M.E. Programmes**

<b>Sl.No.</b>	<b>Department</b>	<b>Name of the Programmes</b>
1.	Chemical Engineering	M.E. Chemical Engineering
2.		M.Tech. Industrial Biotechnology
3.		M.Tech. Food Processing Technology
4.		M.Tech. Industrial Safety Engineering
5.	Civil Engineering	M.E. Environmental Engineering
6.		M.E. Environmental Engineering and Management
7.		M.E. Water Resources Engineering and Management
8.	Civil and Structural Engineering	M.E. Structural Engineering
9.		M.E. Construction Engineering and Management
10.		M.E. Geo Technical Engineering
11.		M.E. Disaster Management and Engineering
12.	Computer Science and Engineering	M.E. Computer Science and Engineering
13.	Electrical Engineering	M.E. Power System Engineering
14.		M.E. Embedded Systems Engineering
16.	Electronics and Communication Engineering	M.E. Communication Systems
17.	Electronics and Instrumentation Engineering	M.E. Process Control and Instrumentation
18.		M.E. Rehabilitative Instrumentation
19.		M.E. Microelectronics & MEMS
20.	Information Technology	M.E. Information Technology

Sl.No.	Department	Name of the Programmes
21.	Mechanical Engineering	M.E. Thermal Power Engineering
22.		M.E. Energy Engineering and Management
23.	Manufacturing Engineering	M.E. Manufacturing Engineering
24.		M.E. Welding Engineering
25.		M.E. Nano Materials and Surface Engineering

### 3. Pharmacy Programmes

i)	B.Pharm
ii)	M.Pharm
	a) Master of Pharmacy (Industrial Pharmacy) b) Master of Pharmacy (Pharmaceutical Quality Assurance) c) Master of Pharmacy (Pharmacology)
iii)	a) Pharm. D. b) Pharm. D. (Post Baccalaureate)
iv)	Diploma in Pharmacy

### 4. Skill Development Programmes

i)	B.Voc. Hospital Instrumentation and Management
ii)	B.Voc. Catering Technology and Hotel Management
iii)	B.Voc. Airport Operations
iv)	B.Voc. Aqua Culture
v)	B.Voc. Mechtronics
vi)	B.Voc. Logistics
vii)	Diploma in Mining

## 5. Ph.D. Programmes

All the eleven Departments are offering Ph.D. Programmes in the respective disciplines.

### Choice Based Credit System (CBCS)

From the academic year 2000-2001, Choice Based Credit System is in vogue in the Faculty for all Under-graduate and Post-graduate programmes. These programmes offer a package of certain core courses and some elective courses that allow for effective interaction among students from different disciplines. The novelty of the programme consists of inter-disciplinary curriculum with a pronounced inclination towards industry oriented needs.

### Activities in FEAT

- Academic programmes leading to the award of Bachelor, Master, and Doctoral degrees along with Diploma and Certificate Programmes in selected fields.
- Research programmes for Students, Faculty, and Professionals
- Special programmes, conferences, seminars, short term programmes, and consultancy services.
- Collaborative research programmes in co-ordination with government/ non-governmental organizations.
- Extension services

### Important MoUs

The Faculty of Engineering has entered into MoU with:

- Tennessee Technological University, (TTU), USA to enable academic exchange of the staff and students between Annamalai University and TTU under the Indo-US, Knowledge Initiative Award from University Grants Commission, New Delhi.
- Ball State University of USA.
- Fukui University of Japan to enable the academic exchange of the Staff and Students between Annamalai University and the Fukui University
- University of Technology, Sydney, Australia, for promotion of technical collaborations.
- Kumamoto University, Japan for Collaboration in the area of "Materials Processing using Explosives" to promote academic exchanges.
- National Institute for Interdisciplinary Science & Technology, (NIIST) Kerala for Collaborative research in 'Light Alloys'.
- CSIR, Structural Engineering Research Centre (SERC), Chennai for Collaborative Research in the field of Structural Engineering.
- NLC India Limited, Neyveli for offering Diploma in Mining Engineering Program.

### **Placement and Training Cell**

Salient features of the Activities in Placement & Training Cell, Faculty of Engineering and Technology, Annamalai University.

- Training programmes on soft skills
- Arranging In-Plant training for students
- Student's placements through campus interview
- Conducting Job Fairs
- Placements abroad

65% of the eligible students are recruited on an average since 2004.

Companies that offered placements for the students of Faculty of Engineering and Technology, Annamalai University through the Placement & Training Cell are:

#### **Indian Organizations**

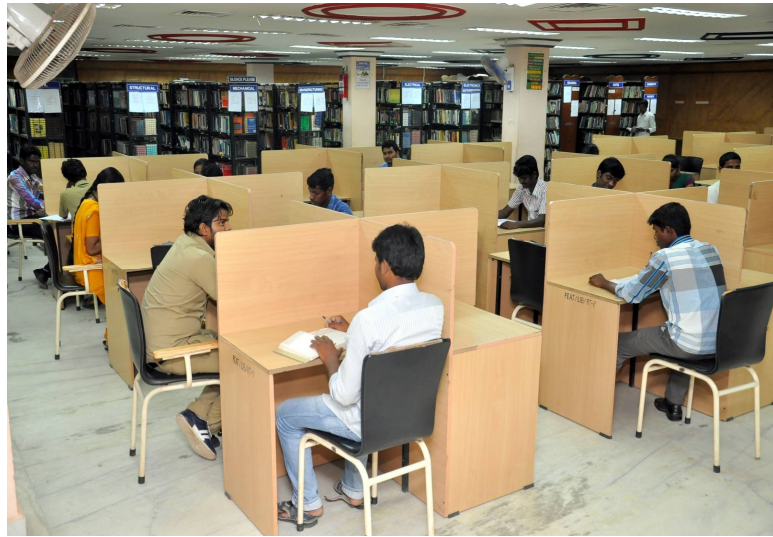
- M/s. HCL Technologies, Chennai
- M/s. L & T – ECC, Chennai
- M/s. Accenture, Bangalore
- M/s. Orchid Chemicals & Pharmaceuticals Ltd, Chennai
- M/s. Hexaware Technologies, Chennai
- M/s. CCCL, Chennai
- M/s. Petrofac Ltd, Chennai
- M/s. NOCL, Cuddalore
- M/s. Vedhanta – Sterlite, Tuticorin
- M/s. iGate, Bangalore
- M/s. CVR Labs Pvt. Ltd., Chennai
- M/s. UCAL Fuel Systems, Pondicherry
- M/s. Delphi TVS, Chennai
- M/s. Appollo Hospitals, Chennai
- M/s. Dalmia Cements, Trichirapalli
- M/s. Tamilnadu Petro products Ltd., Chennai
- M/s. Ritemed Pharma Retail Ltd., Chennai
- Auto Axles, Mysore

#### **Foreign Organizations**

- M/s. DEUTCHE BABCOCK AL JABER WLL (Qatar)
- M/s. ETA Engineering Pvt. Ltd.
- M/s. Foxconn (China)
- M/s. Sinmax PTE Ltd.
- M/s. Rotary Engineering, Singapore
- M/s. Promosys

## II. Facilities

**FEAT Library**



**Class Rooms  
Platinum Jubilee  
Block**



**Class Rooms  
Golden Jubilee  
Block**





AUMTEC'71 Hall



Canteen



ATM



Kalaiarangam



24 x 7 Uninterrupted Power Supply

Students' Co-op Store





**For Further Details contact :**

The Dean,  
Faculty of Engineering & Technology,  
Annamalai University,  
Annamalai Nagar,  
Tamilnadu, India  
Ph: 04144-238275  
Fax: 04144-238275  
E mail : [aufeatdean@gmail.com](mailto:aufeatdean@gmail.com)





### III. Fee Structure & Scholarship

#### 3.1. Tuition Fee

The details of Tuition Fee to be paid by the candidate are as follows. However, the fee can be remitted in two installments as indicated below.

Sl. No.	Branch	I Installment (₹)	II Installment (₹)	Total Fee / Annum (₹)
1.	Chemical Engineering	29,300/-	24,350/-	53,650/-
2.	Civil Engineering	35,575/-	30,625/-	66,200/-
3.	Civil and Structural Engineering	29,300/-	24,350/-	53,650/-
4.	Computer Science and Engineering	29,300/-	24,350/-	53,650/-
5.	Computer Science and Engineering (Big Data Analysis)	29,300/-	24,350/-	53,650/-
6.	Computer Science and Engineering (Machine Learning)	29,300/-	24,350/-	53,650/-
7.	Electrical and Electronics Engineering	29,300/-	24,350/-	53,650/-
8.	Electronics and Communication Engineering	29,300/-	24,350/-	53,650/-
9.	Electronics and Instrumentation Engineering	29,300/-	24,350/-	53,650/-
10.	Information Technology	29,300/-	24,350/-	53,650/-
11.	Mechanical Engineering	35,575/-	30,625/-	66,200/-
12.	Mechanical Engineering (Manufacturing)	29,300/-	24,350/-	53,650/-

**Note : The first installment has to be paid at the time of admission.**

#### 3.2 Hostel Fee

Annamalai University is a residential University and admission to the hostel is compulsory. The details of charges for accommodation in different hostels are as given below. **(Separate Hostel facilities are available for Boys and Girls)**

Sl. No.	Hostel Name	Caution Deposit (₹)	Annual Hostel & Mess Charges (₹)	Total (₹)
1.	E.T. Golden Jubilee Hostel (Engg. Girl's Hostel)	5,000/-	45,000/-	50,000/-
2.	Travancore Hostel (Boys Hostel)	5,000/-	45,000/-	50,000/-
3.	SC/SCA/ST Students (any hostel)	5,000/-	19,000/-*	24,000/-

\* This fee has to be paid by the students at the time of joining the hostel and would exclusively cover Admission Fees, Establishment, Room rent, Electrical and Misc. Charges only – Except Mess charges (Lumpsum Mess charges of ₹ 22,000/- will be adjusted from their Scholarship amount)

### 3.3 Scholarships

The students of Annamalai University can avail the Government Scholarships subject to eligibility.

#### i. First Graduate Tuition Fee Concession

In the G.O. (st) No 85 Higher Education (J2) Department dated 16.04.2010, the Government of Tamil Nadu has ordered to grant tuition fee concession to the candidates who are to be the first graduate in a family. From the year 2013-14 onwards the tuition fee concession for First Graduate has also been extended to the students in Annamalai University

For submitting proposals to the Government, for claiming First Graduate Tuition Fee concession, candidates should submit the following details:

Certificate obtained from Head Quarters Deputy Tahsildar in the format prescribed in the G.O. (electronic form/digitally signed e-Certificate only will be accepted) which necessarily should include the names of applicant's father, mother, father's father, father's mother, mother's father, mother's mother, brother(s) and sister(s) and joint declaration by the applicant and parent/guardian in the prescribed format **(Annexure-VIa, VIb)**.

**If the applicant's Brother or Sister has availed First Graduate Tuition Fee Concession for studying Professional Courses, then the applicant is not eligible for such concession.**

ii. **Post Matric Scholarship:** In the G.O. (st) No.6 Adi Dravidar and Tribal Welfare (AD3) Department dated 09. 01.2012, G.O. (st) No.92 Adi Dravidar and Tribal Welfare (AD3) Department dated 11.09.2012 and G.O. (st) No.16 Adi Dravidar and Tribal Welfare (AD3) Department dated 24.02.2014, the Government has ordered to grant Post Matric Scholarship to SC/SCA/ST candidates, whose parental annual income is less than ` 2,50,000/- and for SC/SCA converted Christians whose parental annual income is less than ` 2,00,000/- from all the sources are alone eligible. The eligible candidates have to submit income certificate obtained from appropriate authorities.



**iii. Higher Education Special Scholarship:** Higher Education Special Scholarship is awarded to the hostel students belonging to SC / SCA / ST and Converted Christian categories. The Annual income from all sources should not exceed ` 2,50,000/- per annum.

**iv. BC/MBC/DNC Categories Scholarship:** The Students belonging to BC/MBC/DNC categories whose Parent's/ Guardian's income from all sources is not more than ` 2,00,000/- per annum.

**v. An Equal Opportunity Cell and an SC/ST Cell** is functioning in the University to assist the students in availing the Scholarships, besides carrying out various other activities for the benefit of the students. Students may approach these Cells for further details and assistance for Scholarship related matters.

**Note: For all Scholarships income certificate taken after April 2019 should be produced.**



#### **IV. Method of Selection**

Candidates who are interested in joining these B.E. Degree Programmes at Faculty of Engineering & Technology, Annamalai University, for the academic year 2019-2020 must fulfil the required eligibility as prescribed by DOTE. The candidates should apply and also appear for the counselling to be conducted by the Directorate of Technical Education, Government of Tamil Nadu, Chennai, the dates of which will be announced by the Directorate of Technical Education (DOTE). The details are available in the website [www.tndte.gov.in](http://www.tndte.gov.in).

## **V. Code of Conduct**

The following code of conduct shall be observed by the students who are admitted.

- i. The students should conduct themselves in an exemplary manner so as to be model for other students.
- ii. All students will have to strictly adhere to the rules and regulations of the University.
- iii. RAGGING: The candidates should not indulge or participate in any kind of ragging. If they are found to have indulged in ragging in the past, or noticed later, the candidates will be removed from the roll of the institution at whatever stage of study and criminal action will be taken against the candidates.
- iv. If any student is involved in ragging or any other anti- social activities, he/she she will be expelled and criminal proceedings will be launched against him/her.
- v. The students should be present during all working days and sincerely involve themselves to studies.
- vi. The students should attend the classes regularly and punctually and should fulfil the attendance requirement of 75% as prescribed by the University, to be eligible to appear for the University Examinations.
- vii. The campus is "Tobacco Free" and "Liquor Free". Any violation of this will result in dismissal from the program.
- viii. Use of mobile phones and other electronic gadgets are not permitted in the class rooms, examination halls, faculty premises, university organized functions/ programs/extracurricular and co-curricular activities.
- ix. The students are forbidden from using motorized vehicles, including powered two wheelers, inside the campus.
- x. Dress Code: Students need to wear formal dress largely covering them like Sarees / Churidhar with dupatta for ladies and Pant & Shirt for men.

## **V. Important Conditions for Applicants**

- i. Students discontinuing the programme before commencement of classes are eligible to get full refund (except service charges ` 1,000).
- ii. Those who discontinue after commencement of classes are eligible to get refund of caution money deposit only.

- iii. The candidates who have joined a programme and wish to discontinue, should **pay the tuition fee in full up to the year of study.**
- iv. Tuition fee for each academic year should be paid well before the due date, failing which a fine as prescribed by the University will be charged. The Candidate shall not be permitted to appear for the University Examination without clearing the Tuition fee arrears.
- v. Tuition fee for the entire programme together with arrears, if any, shall be payable by the student before Transfer Certificate is issued
- vi. Special fee for the remaining period of programme shall be waived.
- vii. No certificate will be issued, unless the candidate has cleared all the arrears of fees etc., due to the University.
- viii. Caution deposit shall be refunded on application after adjustment towards any dues from the student. Application for refund of caution deposit should be submitted within one year of completing the course.
- ix. With regard to any dispute arising in relation to admission, examinations, remittance of fees, etc., the place of jurisdiction for the purpose of filing a suit or preferring a complaint or taking any legal proceedings against the University, will be Chidambaram Town only.
- x. Original Certificates submitted at the time of admission will be returned before the end of second semester. In case a candidate requires the original certificates for valid reasons, he/she may apply for the same with valid proof. The candidates are advised to have with them attested copies of mark lists or other certificates that may be required for applying scholarships/bank loan etc.

## **VI. General Information**

The following procedures should be followed for applying / getting certificates viz. Bonafide / Course completion / Mark lists etc. with the fee prescribed by the University.

- i. **General:** Mark list for each Semester/Year during the period of study will be issued by the University and distributed through the respective departments of study. On completion of the program, Provisional Certificate and Transfer Certificate will also be distributed through the department concerned.
- ii. **Migration Certificate:** This certificate will be issued by the University Office ('K' Section) only on demand to those who have planned to undergo higher studies in any Educational Institution in India.
- iii. **Duplicate Certificate - Mark List / Degree / Transfer Certificate:** A certificate from the police department is required to be produced for the loss of certificates indicating that the certificates were actually lost beyond recovery.

- iv. **Degree Certificate:** Notification will be issued in the leading dailies during the month of September/October every year inviting application forms for obtaining Degree Certificate at the Convocation. Students shall apply for the same in the prescribed form which can be obtained from the University.
- v. **Personal File:** Students are advised to maintain a personal file containing all academic records such as challan for remittance of tuition fee, exam fee, instrument fee, condonation fee etc. till completion of his/her studies.
- vi. **Re-admission:** If there is any attendance deficiency during the tenure of his/her studies, candidates shall apply for re-admission through the Heads concerned along with the photocopy of his/her previous semester/year mark list(s) as proof for having appeared for the University Examinations.
- vii. **Change of Name/Date of Birth:** Candidate who wishes to change the Name, date of Birth, it should be made only during the period of study by producing a copy of "Gazette Notification" from the respective Government No such change shall be entertained after completion for his/her studies in the University.
- viii. **How to get Certificate**
  - a) Students may apply for any certificates in this University viz., Duplicate mark list, Degree Certificate and Transfer Certificate etc, either during the tenure of his/her studies or on completion of the program and may obtain the same from the office or by post within a fortnight period from the date of filing application in the office. He/she should possess compulsorily **1)** a copy of letter where he/she has applied for **2)** a copy of remittance challan and **3)** any other documents, whenever any lapse of the original submitted to University (or) loss in transaction.
  - b) If candidates do not receive the certificate/s within the stipulated period, then he/she can immediately seek the assistance of the Section Head/Deputy Registrar of the 'K' Section with relevant copy of records that has been already submitted for claiming the certificates, so as to enable them to get the certificate from the office (or) necessary guidance will be provided for the same.
  - c) Students admitted to various programs of the University, should get back his/her original certificates produced at the time of admission within three months either on completion of program (or) discontinuing the same in the middle of the program. The University is not responsible for any lapse or damage of the certificates, beyond this period.

**REGISTRAR (i/c)**  
ANNAMALAI UNIVERSITY

**ANNEXURE – VI (a)  
CERTIFICATE No. II**

**Name of the Applicant .....**

**Application.....**

**FIRST GRADUATE CERTIFICATE**

Is certified that there is no Graduate in the family of Selvan/Selvi  
\_\_\_\_\_ S/o./D/o. Thiru \_\_\_\_\_ presently  
residing at \_\_\_\_\_  
and who has applied for professional courses during the year 2019, is eligible for Tuition  
Fee exemption as per the G.O. (St.) No. 85, Higher Education (J2) Department, dated  
16.04.2010.

<b>Sl. No.</b>	<b>Name</b>	<b>Relationship Father/Mother/ Brother/Sister/ Grand Father Grand Mother</b>	<b>Age</b>	<b>Educational Qualification</b>	<b>Whether Degree Holder</b>
(1)	(2)	(3)	(4)	(5)	(6)

Station:

Date:

Headquarters Deputy Tahsildar

Office Seal:

Taluk :

District :

**ANNEXURE – VI (b)****FIRST GRADUATE CONCESSION – JOINT DECLARATION FORM**

I hereby declare the following details of my family members and their education qualification to avail the tuition fee waiver for my studies in professional courses under the scheme of waiver of tuition fee to the students from the family where there are no graduates.

I hereby solemnly and sincerely affirm that I am the first and only person from my family to claim the waiver of Tuition Fee for entire Professional course of study and there is no graduate in my family so far. The particulars furnished above are true. Should it, however, be found that any information furnished therein is false in material particulars on verification at a later stage, I am liable for criminal prosecution and I also agree to return the amount equal to three times the tuition fee waiver availed by me.

<b>Sl. No.</b>	<b>Name</b>	<b>Relationship Father/Mother/ Brother/Sister/ Grand Father Grand Mother</b>	<b>Age</b>	<b>Educational Qualification</b>	<b>Whether Degree Holder</b>
(1)	(2)	(3)	(4)	(5)	(6)
		Applicant			
		Father			

Date:

Place:

Signature of the Candidate

I solemnly and sincerely affirm that I am fully aware of the above declaration and the particulars furnished in the declaration are correct. I am liable for the criminal action/recovery of amount equal to three times the fees waived for incorrect particulars furnished.

Date:

Place:

Signature of the Parent/Guardian