SRI RAMACHANDRA

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Category - I Deemed to be University) Porur, Chennai

SRI RAMACHANDRA ENGINEERING AND TECHNOLOGY

PROSPECTUS - ADMISSION FOR B.Tech./B.Sc./M.Sc./Ph.D. DEGREE PROGRAMS – 2021-22

1. B.Tech. Computer Science and Engineering **(Artificial Intelligence and Machine Learning)**

2. B.Tech. Computer Science and Engineering **(Cybersecurity and Internet of Things)**

3. B.Tech. Computer Science and Engineering **(Artificial Intelligence and Data Analytics)**

4. B.Tech. **Computer Science and Medical Engineering**

5. B.Sc. and B.Sc.(Hons) Computer Science **(Artificial Intelligence)**

6. B.Sc. and B.Sc. (Hons) Computer Science **(Artificial Intelligence and Data Analytics)**

7. B.Sc. **Bioinformatics**

8. B.Sc. **Data Science**

9. **M.Sc. Artificial Intelligence** (Full-Time & Part-Time)

10. **M.Sc. Data Analytics** (Full-Time & Part-Time)

11. **M.Sc. Medical Bioinformatics**

12. **Ph.D. Engineering/Engineering Systems**

- Sri Ramachandra Medical College and Research Institute was founded in 1985 by the Founder Chancellor, Shri N.P.V.Ramasamy Udayar

- Attained Deemed University status in 1994

- Renamed as Sri Ramachandra University in 2006

- In 2018, Sri Ramachandra was recognized as Category-I University by UGC

- In 2020, SRIHER was ranked as 28th National Institution by NIRF

- In 2021, SRIHER received the highest ranking of A++ in its 3rd cycle of assessment by NAAC

- India Today Survey recognized SRIHER as the best private Health Sciences University in the country

- The Medical Council of India (MCI) has recognized SRIHER as a Nodal Centre for medical education technology courses

- The World Health Organization has designated the SRMC & RI as a WHO Collaborating Centre for Research and Training in Occupational Health

- Atomic Energy Regulatory Board (AERB) has accredited the Biodosimetry lab for assessment of personnel radiation exposure & related studies

- ICMR has recognized SRIHER Public Health as ICMR Centre for Advanced Research on Air Quality, Climate and Health

- Shri V. R. Venkataachalam, Chancellor and Shri R.V. Sengutuvan, Pro Chancellor lead the University which has more than 7000 students

- Currently, the university offers 152 undergraduate and postgraduate programs in medical, dental, engineering and technology, para-medical and allied health sciences disciplines. The enrollment is in excess of 7000 students.

Sri Ramachandra Engineering and Technology (SRET) was established in 2019 and is the new addition to SRIHER with a mission to promote excellence in engineering and technology education, to prepare graduates to solve society's problems, and to be at the forefront of innovation and applied research.

The unique aspects of the SRET programs are:

- First of its Kind in the Country
- Globally Benchmarked Curriculum
- All courses have 50% Practical Component
- BTech with 5 quarters of Internship in Industry
- Internship starts in the first year
- Up to 2 International Internships – optional
- 30% of Teaching by Industry Practitioners or International Faculty
- B.Sc(Hons) with an option to pursue internship / full time study for MS overseas
- BSc with options for BTech/MSc overseas
- Preparation of graduates for Company Start Ups
- MSc and PhD programs for people working in industry / education
- MSc and PhD programs with international study opportunities

Admission for B.Tech / Degree Requirements / Employment and Future Study Potentials/ Fees for the academic year 2021-22					
Programs	Admissions requirement	Degree requirement	Employment potential	Future study Potential	Fees (Rs.)
1. B.Tech. CSE **(Artificial Intelligence and Machine Learning)**	- State Board HSC (+2) - Mathematics, Physics, Computer Science or Biology - 60% of marks - Performance in Interview.	- 4 yrs of study - 15 months of mandatory Internship and work experience - Total of 162 credits	Excellent opportunities in India and Abroad for job functions in: - Python Development - Web Design and Development - Data Analytics - Internet of Things (IOT) - Artificial Intelligence and Machine Learning - AI, IOT, Data Analytics in Medicine - Robotics and Automation	-MTech /MS/ PhD options in India and at partner universities in the USA, UK, Canada, Australia and other countries - ME/MS/MBA in Interdisciplinary Robotics and Automation Engineering	- Tuition: 2,50,000/ yr - Other fee: 10,000/ (one time) - Hostel Optional: 36,000/yr
2. B.Tech. CSE **(Cybersecurity and Internet of Things)**	- State Board HSC (+2) - Mathematics, Physics, Computer Science or Biology - 60% of marks - Performance in Interview.	- 4 yrs of study - 15 months of mandatory Internship and work experience - Total of 162 credits	Excellent opportunities in India and Abroad for job functions in: - Python Development - Web Design and Development - Data Analytics - Cyber Security and Internet of Things - Networks and cloud computing - Artificial Intelligence applications - AI, IOT, Data Analytics in Medicine - Mobile Technologies	- MTech /MS/ PhD options in India and at partner universities in the USA, UK, Canada, Australia and other countries - ME/MS/MBA in Interdisciplinary Engineering Programs/ Cybersecurity	- Tuition: 2,50,000/ yr - Other fee: 10,000/ (one time) - Hostel Optional: 36,000/yr
3. B.Tech. CSE **(Artificial Intelligence and Data Analytics)**	- State Board HSC (+2) - Mathematics, Physics, Computer Science or Biology - 60% of marks - Performance in Interview.	- 4 yrs of study - 15 months of mandatory Internship and work experience - Total of 162 credits	Excellent opportunities in India and Abroad for job functions in: - Python Development - Web Design and Development - Data Analytics, Business & Health Analytics - Internet of Things (IOT) - Artificial Intelligence applications - AI, IOT, Data Analytics in Medicine - Robotics and Automation	-Masters & PhD options in India and at partner universities in the USA, UK, Canada, Australia and other countries - ME/MS/MBA in Interdisciplinary Engineering Programs	- Tuition: 2,50,000/ yr - Other fee: 10,000/ (one time) - Hostel Optional: 36,000/yr

| 4. B.Tech. **Computer Science and Medical Engineering** | - State Board HSC (+2)
- Mathematics, Physics, Computer Science or Biology
- 60% of marks
- Performance in Interview. | - 4 yrs of study
- 15 months of mandatory Internship and work experience
- Total of
- 162 credits | Excellent opportunities in India and Abroad for job functions in:
- Python Development
- Web Design and Development
- Data Analytics
- Medical and Health Analytics
- Internet of Things (IOT) and Medical Devices
- Artificial Intelligence applications in Medicine
- Robotics and Automation in Medicine | - MTech /MS/ PhD options in India and at partner universities in the USA, UK, Canada, Australia and other countries
-ME/MS/ MBA in Medical Technology/ Physicians Associate in Canada /USA | - Tuition: 2,50,000/ yr
- Other fee: 10,000/ (one time)
- Hostel Optional: 36,000/yr |

Note: LATERAL ENTRY admission to Second year B.Tech. Programs are also considered. (For admission contact: 78248 96500)

Admission for B.Sc/ BSc (Hons) / Degree Requirements / Employment and Future Study Potentials/ Fees for the academic year 2021-22

Programs	Admissions requirement	Degree requirement	Employment potential	Future study Potential	Fees (Rs.)
5. B.Sc. and B.Sc (Hons) Computer Science **(Artificial Intelligence)**	- State Board HSC (+2) - Mathematics, Physics, Computer Science or Biology - 55% of marks - Performance in Interview.	- B.Sc- 3 yrs of study - 6 months of Internship - 120 credits - B.Sc(Hons) - 4 yrs of study - More than a year of Internship - 144 credits	Excellent opportunities in India and Abroad for job functions in: - Programming and Development - Web Design and Development - Data Analytics - Networking and Cloud Computing - Artificial Intelligence and Machine Learning applications - Robotics and Automation	- For BSc, Options for 1 Year B.Tech. or 2 year MS/M.Sc. in the USA, Canada, UK, Australia and Others - For BSc (Hons) Options for 1-2 year MS/ME/ M.Sc. in the USA, Canada, UK, Australia and Others	- Tuition: 75,000/ yr - Other fee: 6,000/ (one time) - Hostel (optional): 36,000/yr
6. B.Sc. and B.Sc (Hons) Computer Science **(Artificial Intelligence and Data Analytics)**	- State Board HSC (+2) - Mathematics, Physics, Computer Science or Biology - 55% of marks - Performance in Interview.	- B.Sc- 3 yrs of study - 6 months of Internship - 120 credits - B.Sc(Hons) - 4 yrs of study - More than a year of Internship - 144 credits	Excellent opportunities in India and Abroad for job functions in: - Programming and Development - Web Design and Development - Data Analytics - Business and Health Analytics - Artificial Intelligence and Machine Learning applications - Robotics and Automation	- For BSc, Options for 1 Year B.Tech. or 2 year MS/M.Sc. in the USA, Canada, UK, and Australia - For BSc (Hons) Options for 1-2 year MS/ME/MBA/M.Sc. in the USA, Canada, UK, Australia and Others	- Tuition: 75,000/ yr - Other fee: 6,000/ (one time) - Hostel (optional): 36,000/yr
7. B.Sc. Bioinformatics	- State Board HSC (+2) - Mathematics, Physics, Biological Science - 55% of marks - Performance in Interview.	- 3 years of study - 6 months of Internship - 120 credits	Excellent opportunities in: - Programming and Development - Web Design and Development - Bioinformatics - Data Analytics - Medical / Health Analytics - Medical Technology	Options for MSc in India or for 1 Year B.Tech. or 2 year MS/M.Sc. in the USA, Canada, UK, Australia and Others	- Tuition: 75,000/ yr - Other fee: 6,000/ (one time) - Hostel (optional): 36,000/yr

8. B.Sc. Data Science	- State Board HSC (+2) - Mathematics, Physics, Biological Science - 55% of marks - Performance in Interview.	- 3 years of study - 6 months of Internship - 120 credits	Excellent opportunities in India and Abroad for job functions in: - Programming and Development - Web Design and Development - Data Analytics - Business and Health Analytics - Artificial Intelligence and Machine Learning applications	Options for MSc in India or for 1 Year B.Tech. or 2 year MS/M.Sc. in the USA, Canada, UK, Australia and Others	- Tuition: 75,000/ yr - Other fee: 6,000/ (one time) - Hostel (optional): 36,000/yr

Admission for M.Sc. and Ph.D. Programs for the academic year 2021-22					
Programs	**Admissions requirement**	**Degree requirement**	**Employment potential**	**Future study Potential**	**Fees (Rs.)**
9. **M.Sc. Artificial Intelligence** (Full-Time & Part-Time)	- Bachelors in Computers, Engineering, Science, Medicine, Dentistry, Pharmacy, Allied Health Sciences, Business, Commerce and others - Graduates should have scored a minimum average of 55% marks. - Candidates holding job in industry are welcome	-1st year of courses and the 2nd year of internship (or) -2 years of part time study. -Classes may be held on weekends, and on weekday evenings in blended mode of delivery	Excellent opportunities in India and Abroad for job functions in: - Programming and Development - Web Design and Development - Data Analytics - Artificial Intelligence and Machine Learning applications - AI, IOT, Data Analytics in Medicine - Robotics and Automation - Quality control - Research	- MTech / PhD in India - ME/MS/PhD at partner universities in the USA, Canada, UK, Australia and Others	- Tuition: 75,000/ yr - Other fee: 6,000/ (one time) - Hostel: 36,000/yr
10. **M.Sc. Data Analytics** (Full-Time & Part-Time)	- Bachelors in Computers, Engineering, Science, Medicine, Dentistry, Pharmacy, Allied Health Sciences, Business, Commerce and others - Graduates should have scored a minimum average of 55% marks. - Candidates holding job in industry are welcome	-1st year of courses and the 2nd year of internship (or) -2 years of part time study. -Classes may be held on weekends, and on weekday evenings in blended mode of delivery	Excellent opportunities in India and Abroad for job functions in: - Programming and Development - Web Design and Development - Data Analytics - Health and Business Analytics - Artificial Intelligence and Machine Learning applications - AI, IOT, Data Analytics in Medicine - Quality control - Research	- MTech / PhD in India - ME/MS/PhD at partner universities in the USA, Canada, UK, Australia and Others	- Tuition: 75,000/ yr - Other fee: 6,000/ (one time) - Hostel (optional): 36,000/yr

11. M.Sc. Medical Bioinformatics	-Bachelors in Science, Computers, Engineering, Medicine, Dentistry, Pharmacy, Allied Health, Business, Commerce and others -Graduates should have scored a minimum average of 55% marks.	2 yr of full time study	Excellent opportunities in: - Bioinformatics - Data Analysis in Healthcare - Medical and Allied Health - Systems management - Quality control - Research	- MTech / PhD in India -ME/MS/PhD at partner universities in the USA, Canada, UK, Australia and Others	- Tuition: 75,000/ yr - Other fee: 6,000/ (one time) - Hostel (optional): 36,000/yr
12. Ph.D. Engineering	Masters in Engineering, Technology, Medicine and others with 55% marks & Interview	Minimum of 2 Years full time and 3 Years part-time	Excellent opportunities in Teaching and Research and Design and Development in Industry	Terminal degree leading to employment	- Part time : 50,000/ yr - Full time : 25,000/ yr
13. Ph.D. Engineering Systems	Master of Science in Basic Sciences, Computers, Allied Health, Business and others with 55% marks &Interview	Minimum of 3 Years full time and 4 Years part-time	Excellent opportunities in Teaching and Research and Design and Development in Industry	Terminal degree leading to employment	- Part time : 50,000/ yr - Full time : 25,000/ yr
14. Ph.D. (Integrated)	For Bachelors in Engineering degree holders with 55% marks	Minimum 4 Years fulltime	Excellent opportunities in Teaching and Research and Design and Development in Industry	Terminal degree leading to employment	- Part time : 50,000/ yr - Full time : 25,000/ yr
15. Ph.D. (Split)	For Masters in Engineering /Science and others With 55% marks	Minimum 3 Years fulltime	Option to study up to 18 months overseas	Possibly two degrees, PhD from SRIHER and MS /ME from overseas	- Part time : 50,000/ yr - Full time : 25,000/ yr

Admissions Interview for 2021-22

In addition to the marks secured in the 10th and 12th Grades in High School, Performance in a Personal Interview will form the basis for admissions. The Interviews will be conducted over the phone or in-person at SRIHER, Porur, Chennai - 600 116. Candidates from all States and Union Territories of India are welcome to apply. Online Application fee is Rs.1000/-

M.Sc. Admissions Interview for 2021-22

The Interview will be conducted over the phone or in-person at SRIHER, Porur, Chennai - 600 116. Candidates from all States and Union Territories of India are welcome to apply. Online Application fee is Rs.1000/-

General:

The University Regulations, Rules and Norms will be followed with regard to the deposit of qualifying examinations certificates, change of name and date of birth, payment of tuition and other fees prescribed, refund, discontinuance, medical fitness, anti-ragging provisions of AICTE and UGC.

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