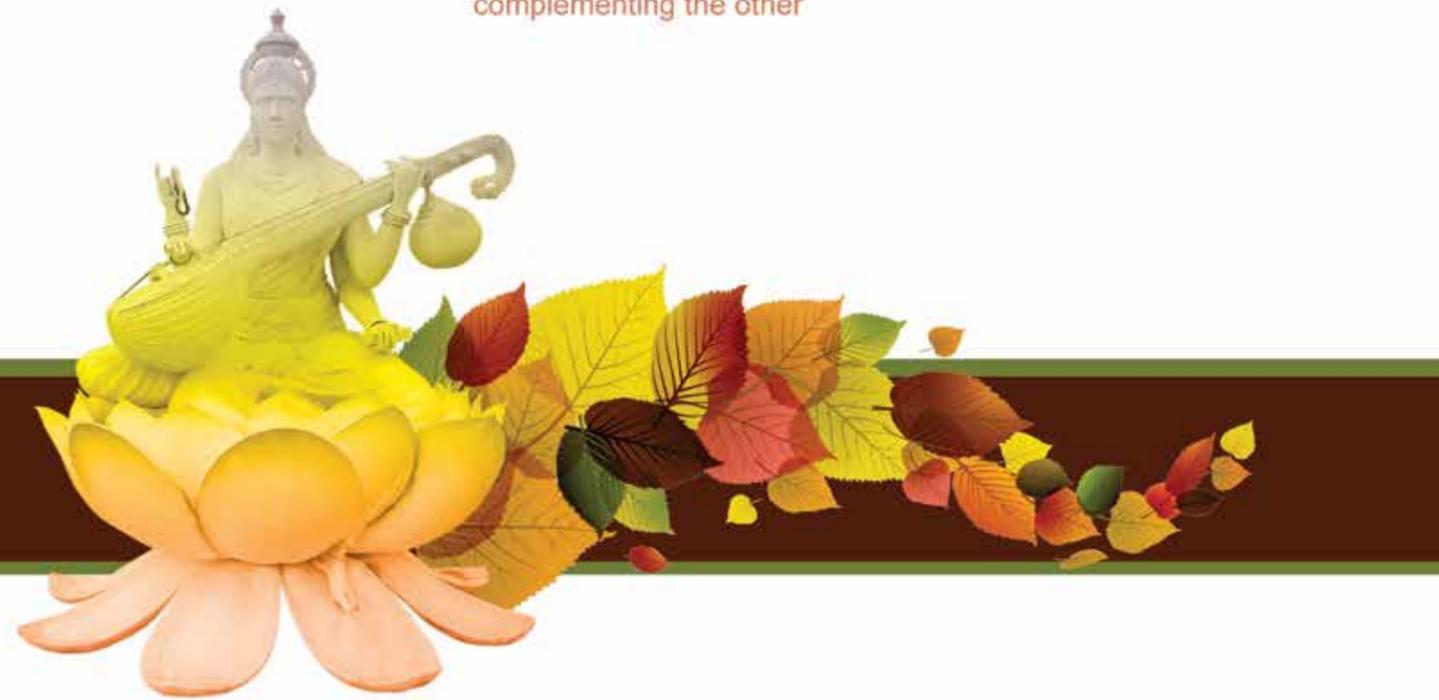


## Mission

To provide value-based education and mould the character of younger generation through a system of wholesome learning so that their earnest endeavour to achieve progress and prosperity in life, is matched by an ardent desire to extend selfless service to the society, one complementing the other



## Vision

We envision a world endowed with the wealth of knowledge and the strength of discrimination.

We envision a system, which is a healthy breeding ground for the sprouting, culturing and dissemination of the whole gamut of knowledge in a wholesome and holistic manner for the well-being of humankind.

we envision a human being empowered with wholesome knowledge, which makes one an enabler and facilitator in the deep search and striving of every human being for that knowledge.

We envision a system wherein there is a great interplay and exchange of ideas, thoughts, feelings and actions, which develop people empowered with noble character and wholesome values. They go out into the fields of action to build a world of love, harmony, peace and knowledge. They follow the path of 'Dharma' and give a clear direction in every thought and human endeavour.

# EDUCATION for LIFE

There are two types of education

Education for a..

**..LIVING &**

Education for **LIFE**

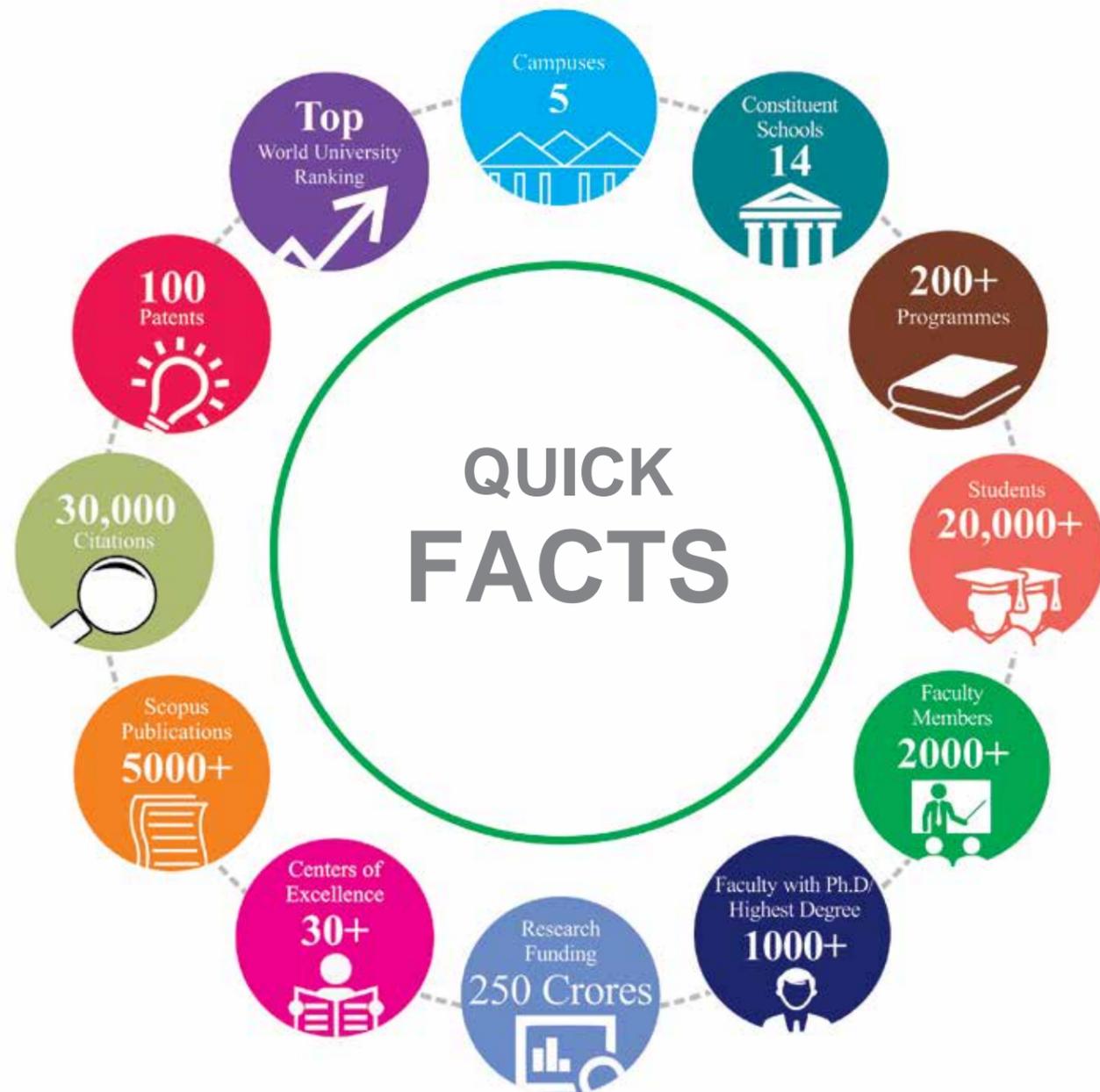


Satguru Sri Mata Amritanandamayi Devi  
Chancellor, Amrita Vishwa Vidyapeetham

When we study in a college, striving to become a doctor, a lawyer, or an engineer - this is education for a living. On the other hand, education for life requires an understanding of the essential principles of spirituality; it is about gaining a deeper understanding of the world, our minds, our emotions, and ourselves. We all know that the real goal of education is not to create people who understand only the language of technology; the main purpose of education should be to impart a culture of the heart, a culture based on spiritual values.

Communication through technology has made the world a small place yet there is so much of a division. Today's world needs people who express goodness in their words and in action with which the darkness prevailing in today's society will be dispelled and the light of peace and non-violence will once again illuminate this earth. Let us work together towards this goal.

# FACTS & FIGURES



## Contents

<b>Message</b>	
The President	06
The Pro-Chancellor	07
The Vice-Chancellor	08
The Dean-Engineering	09
The Director-CIR	09
<b>Amrita University</b>	<b>10</b>
Academic Administration	12
Convocation	14
Research at Amrita	15
<b>Amrita Schools of Engineering</b>	<b>16</b>
<b>Amrita School of Engineering     Coimbatore</b>	<b>17</b>
Programmes offered	19
CIR & Placement	60
B. Tech. Placements-2016	62
<b>Amrita School of Engineering     Bengaluru</b>	<b>76</b>
Programmes offered	77
<b>Amrita School of Engineering     Amritapuri</b>	<b>102</b>
Programmes offered	105
<b>Amrita School of Engineering     Chennai*</b>	<b>144</b>
<b>Mata Amritanandamayi Math</b>	<b>146</b>

\*Proposed campus

## Message



Swami Amritaswarupananda Puri  
President, Amrita Vishwa Vidyapeetham

We, the Amrita Family,  
welcome you with  
**OPEN ARMS** and  
**OPEN HEARTS**  
to this great institution of  
Amma's infinite compassion  
and love.

To become special or extraordinary is the dream of every ambitious student. But how does one become special? Is it only through academic excellence? Of course, that is part of it, but academic brilliance alone is not enough. The most important thing in building your life and future is your ability to focus on your inner self and to realize the inherent abilities there within.

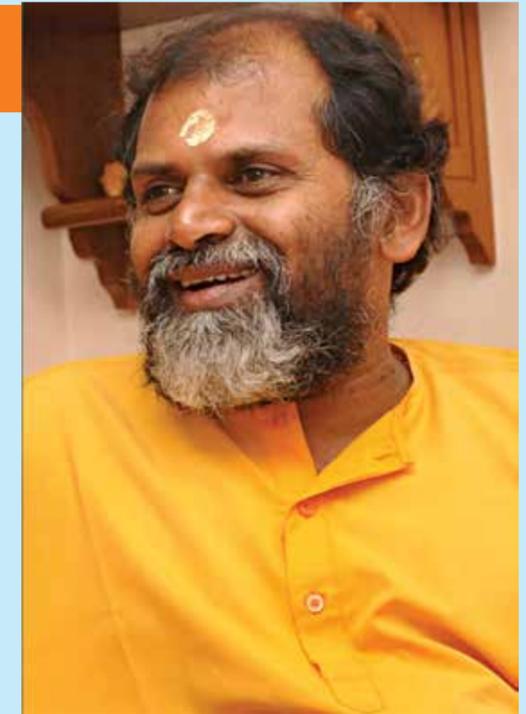
When you graduate and enter the practical world of opportunities and challenges, you may find yourself among thousands of competent professionals. What will you have over them? It will be your ability to tap into your inner source and let flow the grace you find there into your work. The extent to which you will be able to do this will depend entirely on how open you are to the wonderful opportunities available at Amrita.

May you ever remain open to Amma's grace.

Ever in Amma,

With Love and Prayers

## Message



Brahmachari Abhayamrita Chaitanya  
Pro-Chancellor, Amrita Vishwa Vidyapeetham

At Amrita,  
everyday is a  
**NEW DAY** and a  
**NEW BEGINNING** for us.

We welcome every batch of students with renewed enthusiasm. We have come to be identified for our academic rigor and deep commitment to human values. We strive to guide our students into exemplary models in their chosen profession.

And our Alumni have more than proved what we mean. And this has added confidence into our minds and enhanced our resolve to take the mission, for which 'AMMA' has set up these temples of learning, to its logical conclusion. Be with Amrita family to lead an intense life of academics flavoured with universal human values. We shall empower you with wholesome knowledge and send you out into your field of specialization as our Ambassadors.

I am sure you are going to enjoy here every bit of this experience to the fullest extent.

## Message



**Dr. P. Venkat Rangan**  
*Vice-Chancellor*  
*Amrita Vishwa Vidyapeetham*

**AMRITA VISHWA VIDYAPEETHAM** is a rapidly developing world-class University offering under graduate, post graduate, and doctoral programmes in wide ranging disciplines such as **Engineering, Medicine, Dentistry, Pharmacy, Biotechnology, Management, Nursing, Nanomedical Sciences, Ayurveda, Teacher Education, Social Work, Arts, Sciences and Mass Communication.**

It is both young and immensely dynamic, with a unique holistic approach to produce leaders in all of its disciplines. At Amrita Vishwa Vidyapeetham, we have assembled some of the most well known academicians, entrepreneurs, executives, inventors, philanthropists, researchers and scientists to guide us in this noble endeavour. We have launched International Centres for Excellence with strong partnerships with some of the highest ranked universities from all over the world in many of the foremost frontiers of management and technology.

A very hearty welcome to you to this sacred temple of learning and leadership, and we hope you can become part of this exciting venture.

*Invoking Amma's Grace on all of us*

## Message



**Dr. Sasangan Ramanathan**  
*Dean-Engineering, Amrita Vishwa Vidyapeetham*

**Welcome to the Amrita School of Engineering (ASE), Amrita Vishwa Vidyapeetham !!**

The School of Engineering is home to eight undergraduate, and twenty six post-graduate programs at four campuses. Under the guidance of our highly qualified faculty and state-of-the-art laboratory facilities, the School provides an environment of experiential learning. In partnership with business and industry, the School's goal is to prepare students to compete as leaders in the rapidly changing global marketplace and to provide a high-quality technical work force for the future. Innovative curriculum and hands-on approach to learning, brings out the problem solving, and the true engineering character in our students.

The School of Engineering has several collaborations with top US and European Universities and has emerged as one of the fastest growing Institutions of higher learning in India. The School of Engineering holds a stellar placement record, with over 98% of our students placed in top national and international companies. Besides placement, many ASE students pursue post graduate programmes in top Universities in Europe, Australia and the US.

As Dean Engineering, I am very proud of our faculty's dedication and commitment to excellence. It's an honour to be part of this highly qualified team of faculty, who are constantly striving to scale greater heights.

Above all, Satguru Sri Mata Amritanandamayi Devi (AMMA), one of the foremost humanitarian leaders, is the Chancellor of the University and under HER guidance, the School of Engineering is able to provide holistic education to the next generation of young and brilliant minds. At Amrita, we believe in "Education for Life" and the stellar achievements of Amrita alumni stand as testimony to the education at Amrita.

## Message



**Prof. C. Parameswaran**  
*Director - Corporate & Industry Relations*

Amrita has always been in the forefront of education that is rooted in human values. We are aware of the fact that our students have chosen this university for their higher education with a view to achieving their life's goals that do not end with a degree or a job. In fact, that is just the beginning in their career path. In order to cater to the requirements of students from diverse disciplines for building competencies in domain areas as well as in life skills, and play a vital role in the fulfillment of their dreams and aspirations, the university has established a dedicated centre, namely, Corporate and Industry Relations (CIR) at its headquarters in Coimbatore, with branches in the other four campuses.

CIR employs a multi-pronged approach for empowering students to achieve their goals, and supporting faculty and industry with projects, industry-based research and other collaborative engagements like establishment of labs, customized higher educational programmes for industry personnel, etc. Simultaneously, it creates opportunities for our faculty to develop their skills through Faculty Development Programmes and familiarize themselves with the latest industry practices.

We urge the students to set their goals clearly and chalk out a detailed plan of action for academic learning and professional and life skills development. At the same time, make the best use of the conducive ambience prevailing in the campus to imbibe core human values, without which all other attainments pale into insignificance.

# About AMRITA

## University at a Glance



Re-accredited with highest Grade 'A' by National Assessment and Accreditation Council (NAAC), Govt. of India



Amrita Vishwa Vidyapeetham is a University established under Section 3 of the UGC Act 1956. Amrita University was established by the renowned humanitarian leader, Sri Mata Amritanandamayi Devi, who is also the Chancellor of the University. She is also affectionately known as AMMA, who has dedicated her life for the upliftment of humanity through selfless service. The University is managed by a registered public charitable trust, the "Mata Amritanandamayi Math," which has been recognized by the United Nations for its multifarious social, cultural, education, disaster relief, healthcare activities all over the world.

The University's activities are based upon a deep understanding of our values and culture. This is in alignment with the educational outlook of our Chancellor, namely, **"Education for life, not just education for a living."**

AMRITA, a multi-campus, multi-disciplinary, research-intensive university has been ranked as the top private university in India in several World University Rankings (WUR) such as Times Higher Education Asia Rankings 2016; Quacquarelli Symonds (QS) Asia 2016 ranking, Times Higher Education BRICS Rankings 2015-2016 etc. Amrita has also been ranked 14th in the National Institutional Ranking Framework (NIRF) ranking of Ministry of Human Resource Development (MHRD) as well. In this national ranking, AMRITA is ranked among the top two private universities in India. Amrita is accredited with the highest grade of 'A' by the National Assessment and Accreditation Council (NAAC).



AMRITA is engaged in developing solutions for the societal needs such as sustainable development, water management, waste disposal, environmental protection, renewable energy, climate change etc. Formation of multi-disciplinary teams of researchers and students in the unique Live-in-Labs programme to focus on transformation and development of India's villages is another laudable effort. This is leveraging and synergizing the strengths of the medical and engineering colleges for the benefit of the society.

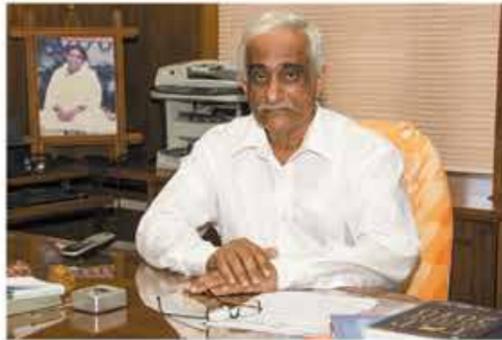
Recognizing the immense talent, technical knowledge, dedicated faculty, and visionary leadership with a focus on service to society, the Government of India has awarded Amrita University numerous mission mode projects: AVIEW (Amrita Virtual Interactive E-learning World), Haptics-based vocational training and education for women's empowerment, Virtual Labs, Adaptive Learning, Academic ERP (Academic Enterprise Resource Planning), TIFAC-CORE for Cyber Security, TIFAC-CORE for Biomedical Engineering, National Knowledge Network (NKN) Global Classroom, etc.

AMRITA is a partner in various international bilateral governmental research programmes and initiatives, such as Indo-US Initiative (Cyber Security, Cyber Crimes, & Cyber Forensics), Indo-European Union (Erasmus Mundus, India4EU programs), Indo-Japan Initiative in Wireless Networks & Applications, Indo-Brazilian bilateral programme on Wireless Networks and Techniques with Applications to Societal Needs, Indo-Italy bilateral Science and Technology Co-operation in Robotics, and Indo-Brazil programme in Nanomaterials for Renewable Energy.

Amrita University is steadily marching forward in service of the society and humanity through its path-breaking research innovation and products.

AMRITA is also a model for all Indian universities in attracting the best of talent from all over the world. The brain gain and brain circulation are evident as many faculty members at AMRITA are from the global universities of repute such as Oxford, Harvard, Berkeley, Stanford, Purdue, State University of New York (SUNY), Buffalo, University of California; University of Illinois, Urbana Champaign; University of Texas, Dallas; Cornell; University of Massachusetts, Amherst; Stern School of Business, New York University; University of Southern California, etc.

Amrita has established international collaborative initiatives with over 75 world-leading institutions in the U.S., Europe, Australia and Japan, with extensive faculty and student exchanges and cross-continental research projects. In addition, Amrita University has organised over 500 international distinguished guest lecturers and adjunct faculty, including Nobel Laureates Dr. Muhammad Yunus, Dr. Martin Chalfie, and Dr. Leland Hartwell.



**Dr. K. Sankaran**  
Registrar



**Dr. R. Dhandapani**  
Controller of Examinations



**Dr. Rakesh S. G.**  
Associate Dean, ASE Bengaluru



**Dr. Balakrishnan Sankar**  
Associate Dean, ASE Amritapuri



**Dr. P. Sridhar**  
Associate Dean



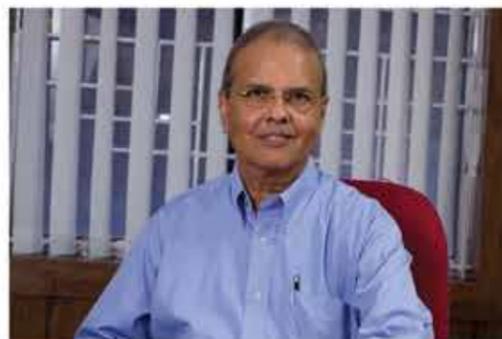
**Dr. Krishnashree Achuthan**  
Dean, P.G. Programmes



**Dr. S. N. Jyothi**  
Principal, ASE Amritapuri



**Dr. P. Shankar**  
Principal, ASE Chennai



**Mr. P. Venugopal**  
Director, Human Resources



**Br. Sudeep**  
Director, Amritapuri campus



**Dr. S. Mahadevan**  
Dy. Dean, ASE Coimbatore



**Dr. Shantanu Bhowmik**  
Head, Engg. Research and Projects  
ASE Coimbatore



**Br. Dhanraj**  
Director, Bengaluru campus



**Prof. N. Ramanathan**  
Director, Chennai campus



**Dr. R. K. Suresh**  
Chairman, Admissions



**Br. Anand Shenoy**  
Vice Chairman, Admissions  
Amritapuri



**Dr. S. R. Nagaraja**  
Vice Chairman, Admissions  
Bengaluru



**Mr. S. Sivesh Kumar**  
Admission Co-ordinator

