



AN ISO 9001:2008
CERTIFIED
INSTITUTION

Institution Code : VAS



Achieve
what you never
thought
Possible...



VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY

Thalakkottukara P.O., Near Kaiparambu, Thrissur – 680 501

Civil Engineering

Computer Science & Engineering

Electrical & Electronics Engineering

Electronics & Communication Engineering

Mechanical Engineering

Production Engineering

Master of Computer Applications (MCA)



The Management

Vidya International Charitable Trust (VICT) is founded by a large number of non-resident Indians from the Middle East and other countries. The Board of Trustees are responsible for the overall administration of the Trust and its activities. An Executive Committee, comprising 11 members, manages the educational institutions of the Trust. VICT also depends on a distinguished advisory team of professionals who have extensive experience in professional education and industry.

The vision of 'Vidya' is to make available 'State-of-the-art' higher education to financially weaker sections, thereby enabling them to develop a good personality and acquire excellent knowledge. VICT offers free education to bright but financially weaker students to complete their studies. Apart from scholarship enrolment of 95 students in each academic year, VICT also extends financial assistance to the economically weaker students studying in Higher Secondary levels for undergoing entrance coaching with leading training institutes in Thrissur, Alleppey, Kollam and Trivandrum districts.

Executive Committee

- Mr. K. Muraleedharan
Chairman
- Mr. P. K. Asokan
Chief Patron
- Mr. A. P. Sadanandan
Vice Chairman
- Mr. S. Sudhakaran
Secretary
- Dr. V. S. Ajai Kumar
College Co-ordinator
- Mr. Samson Checkove
Treasurer
- Mr. Sabu Soumian
Joint Secretary
- Dr. Santhosh Prasannan
Chief Co-ordinator
Vidya Centre Project
- Mr. Prakash Natesan
Executive Member
- Mr. K. K. Thilakan
Executive Member
- Mr. Prasen. V. N.
Executive Member

VICT Steering Committee

- Mr. T. N. Jayachandran, IAS (Retd.)
Chairman - Steering Committee
- Er. K. R. Brahmadathan
Executive Director
- Dr. D. Balakrishnan
Academic Director
- Er. G. Mohanachandran
Project Director
- Mr. D. P. Vijayan
Author Trustee

VICT Trust Co-ordinator

- Mr. V. S. Dinamony





Our Vision

Progress through Education

Our Mission

To seek, to strive and to achieve greater heights in Engineering, Technological and Managerial Education and not to yield on quality of education

Administration



Er. K. R. Brahmadathan
Executive Director



Dr. D. Balakrishnan
Academic Director



Dr. P. Pratapachandiran Nair
Prof. Emeritus



Dr. S. P. Subramanian
Principal

Academic Programmes 2010 - 11

VAS offers four year B. Tech Degree programmes in six branches of Engineering and three year Post Graduate MCA Programme, all affiliated to the University of Calicut.

B.Tech Courses

Branch of engineering	Intake	Additional seats under Fee Waiver Scheme	Lateral Entry seats
Civil Engineering	60	6	4
Computer Science & Engineering	60	6	4
Electronics & Communication Engineering	60+60*	6	4
Electrical & Electronics Engineering	60	6	4
Mechanical Engineering	60	6	4
Production Engineering	60	6	4

Post Graduate Course

Master of Computer Applications (MCA)	60	Nil	Nil
---------------------------------------	----	-----	-----

*Subject to approval





Department of Computer Science & Engineering

The four-year B.Tech programme in Computer Science & Engineering currently admits 60 students each year. It also admits four lateral entry students. This programme prepares students for an international career in the fast-changing, forever-growing areas of information technology.

The labs have 501 PCs with latest configurations running Windows as well as Linux and a number of other high-end multiprocessor servers. A leased broadband internet connection of 2Mbps serves the labs and the rest of the campus. All software products of Microsoft are available through Microsoft campus agreement.

Specially equipped classrooms provide on-line computing facilities.

Laboratories

- > Programming Lab
- > Project Lab
- > Systems Lab
- > Advanced Computer Lab
- > Hardware Lab



Head of Department

Dr. M. N. Agnisarman Namboodiri,
M.Sc(Engg.), Ph.D
(Texas A & M University, U.S.A)



Geotechnical Lab

Department of Civil Engineering

Civil Engineering is known to be the mother of all engineering disciplines. It is an all pervasive engineering profession, full of opportunities and challenges. Civil Engineering addresses to all aspects of the infrastructure facilities necessary for modern living such as buildings, transportation systems, water supply and waste water treatments, environmental protection etc. Civil Engineering actually plays the role of nation building. The construction boom in India and abroad provides plenty of opportunities for Civil Engineers. So VAS is trying to mould the students as world class Engineers.

The four-year B.Tech programme in Civil Engineering admits 60 students every year. Also there is provision for four lateral entries to the third semester for diploma holders.

Laboratories

- > Material Testing Lab
- > Survey Lab
- > Environmental Lab
- > Fluid Mechanics Lab
- > Geotechnical Lab
- > CAD/CAM Lab



Head of Department

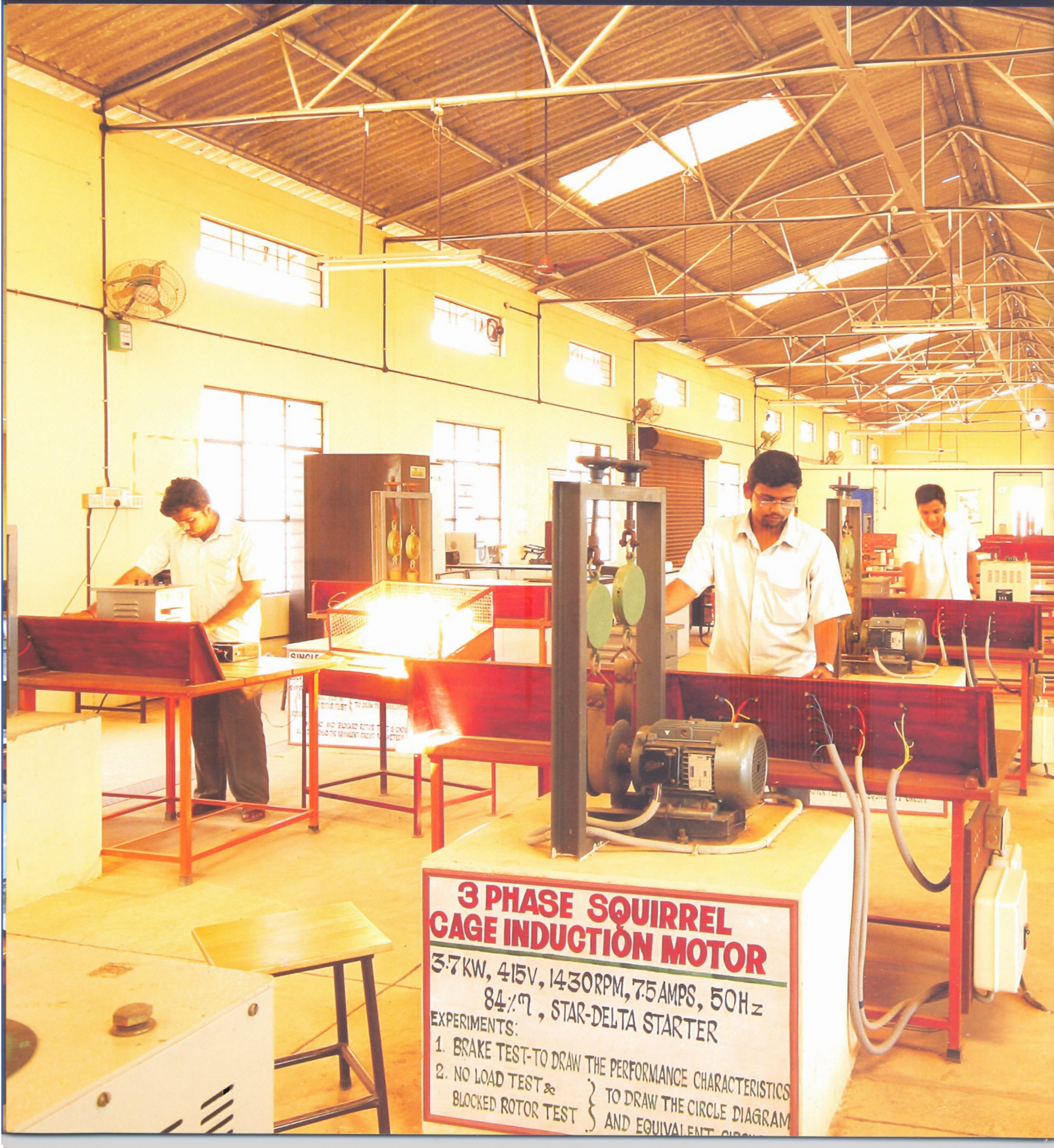
Prof. V. A. Sudhakaran, M.Tech (IITK),
FIE, MISTE, FUWA



Environmental Lab



Material Testing Lab





Department of Electrical & Electronics Engineering

The four-year B.Tech programme in Electrical & Electronics Engineering currently admits 60 students each year. It also admits four lateral entry students. The academic offering is focused on the theoretical and practical aspects related to instruments, machines, electrical and electronic circuits, devices and instrumentation controls. The programme prepares students for prospective careers in energetics, power generation, transmission and distribution and in traditional industries requiring powered machinery, power electronics, automated instrumentation controls, etc.

Laboratories

- Basic Electrical Engineering Lab
- Electrical Measurement Lab
- Electrical Machines Lab
- Advanced Electrical Engineering Lab
- Simulation Lab
- Microprocessor and Micro controller Lab
- Electronics Project Lab



Head of Department

Prof. Sudha Balagopalan,
M.Tech, MISTE, MIEEE



Basic Electronics Lab

Department of Electronics & Communication Engineering

The department offers a four-year B.Tech programme in Electronics & Communication Engineering currently admitting 60 students each year. VAS has applied for an additional intake of 60 students for this programme (approval awaited). It also admits four lateral entry students. It is focused on analog and digital electronics and advanced electronic communication systems. The programme prepares students for prospective careers in the most rapidly evolving areas of technologies like VLSI, Embedded systems etc.

The department takes keen interest in organizing workshops, seminars, conferences etc on a regular basis.

Laboratories

- Basic Electronics Lab
- Digital Electronics Lab
- Advanced Communication Lab
- Microprocessor and Micro controller Lab



Head of Department

Prof. Jeeva K. A.,
M.Tech, MISTE



Digital Electronics Lab



Advanced Communication Lab



Department of Production Engineering

The four-year B.Tech Programme of the Department admits 60 students each year. Production Engineering is a relatively new engineering discipline and the course has been specifically added to address the ever increasing needs of the industrial and manufacturing sector for which, a very high growth is foreseen.

Production engineering involves the design, control, and continuous improvement of integrated systems in order to provide customers with high-quality goods and services in a timely, cost-effective manner. It is an interdisciplinary area requiring the collaboration of individuals trained in industrial engineering, manufacturing engineering, product design, marketing, finance, and corporate planning.

Laboratories

- Advanced Manufacturing Lab
- Metrology and Instrumentation Lab
- Production Engineering Lab
- Industrial Engineering Lab



Head of Department

Prof. K.C. John,
B.Sc. (Engg.), M.Sc. (Engg.),
F.I.E., M.I.S.TE



Robotics Lab

Department of Mechanical Engineering

The four-year B.Tech programme admits 60 students each year. It also admits four lateral-entry students. It prepares graduates to further specialize in emerging areas like robotics, aerospace, design and systems, fluid mechanics, materials science, biotechnology and nanotechnology to help them seek employment with a wide range of industries.

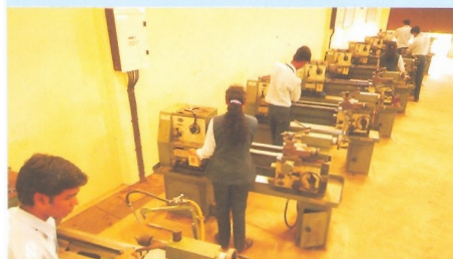
Laboratories

- Thermal Engineering Lab
- Production Engineering Lab
- Fluid Mechanics Lab
- Heat Transfer Lab
- Metrology and Instrumentation Lab
- CAD/CAM & Robotics Lab

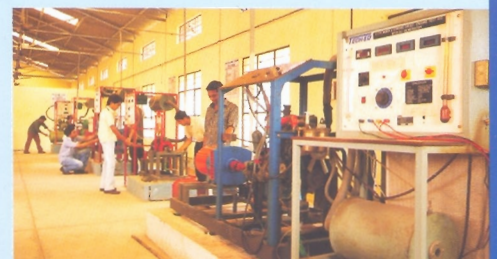


Head of Department

Prof. Soolapani Varrier
M.Tech



Production Engineering Lab 1



Thermal Engineering Lab

Department of Computer Applications

The Department offers the three-year post-graduate course of Master of Computer Applications affiliated to the University of Calicut. The regular academic schedule of the department is designed to provide an in-depth and thorough coverage of the topics prescribed by the University in the syllabi of the programme. In addition, the Department organizes specialized academic activities to supplement the curriculum and to enhance the competitive edge of the students in facing the challenges of securing the best placement, and also the challenges of the workplace.

MCA Students of VAS have certain exceptional advantages

- Facilities for getting trained under the Campus-Connect programme of Infosys Technologies, Ltd
- Off-hours training in emerging software technologies like Java, PHP, etc with the support of the Continuing Education Cell of the college.



Head of Department
Dr. V N Krishnachandran,
M Sc, Ph D, MISTE





Department of Applied Sciences

Mathematics is an inevitable ancillary subject for any branch of technical studies, without which the foundation of engineering education would be built on shifting sands. Physics and Chemistry are of equal importance to technical education as Mathematics.

Labs in Applied Science Department: Physics and Chemistry.



Head of Department

Prof. C. N. Parvathy Antharjanam,
M.Sc, MISTE

Department of Humanities

The study of humanities is aimed at not only the acquisition of English language skills and economic theories but the overall development of budding engineers as complete human beings capable of observing human values in all walks of life. The Department includes faculty in Economics and English.



Head of Department

Prof. M. Mohandas,
M.A, M.D(AM)

Department of Training & Placement

At VAS a lot of emphasis is being given to the training and placement requirements of the student community. Specific training programs are being schemed to enhance the capabilities of the students to meet the expectations of the industry.

Placement activities are being re-aligned to meet the current challenges and the emerging market scenarios. Active industry representations are being solicited and in this connection, various forums are being considered to extend the reach and interactions with the student community.



Head of Department

Mr. Paul J Chakola, B.Sc, MCA
Chief of Training & Placement.

Companies in which our students have been placed include:-





Library (Reference section)



Athletic team captain lighting the torch

Library

The college library functions from 8.00 AM to 7.00 PM. The salient features:

- A collection of more than 16,000 books
- Subscription to more than hundred national and international technical journals
- Subscription to online journals of IEEE and ASME through INDEST - AICTE consortium
- Availability of full set of web courses prepared by NPTEL (A joint initiative of IITs and IISc)
- An institutional repository using D-Space developed by MIT Libraries
- A special rental book scheme for students

Sports and Games

Vidya houses the most modern infrastructure for sporting and gaming activities. Training and Coaching is provided in major games like Football, Cricket, Basketball, Shuttle Badminton, Table Tennis, Volleyball, Handball etc. under the Physical Education Department.

Vidya Student Support Cell (VSSC)

Vidya Student Support Cell is a forum, initiated by the management, to provide additional academic as well as emotional support to needy students. The Cell coordinates and monitors the effective implementation of the 'group tutor system' whereby a group of twenty two students are put under the patronage of a faculty member designated as the 'group tutor'. As part of the cell, a professional student counselor is serving the college to help students who are in need of support.

Campus activities

Entrepreneurship Development Club

An Entrepreneurship Development Club is functioning in this Institute to inculcate the culture of entrepreneurship among the students and to equip them with the skills, techniques and confidence to act as torch bearers of "Enterprise" for the new generation.

Institutional Memberships

- Institution of Electrical and Electronics Engineers (IEEE)
- Computer Society of India (CSI)
- Indian Society for Technical Education (ISTE)
- Institution of Engineers (India)

Research Development Extension and Consultancy Cell (RDEC)

An active Research, Development Extension and Consultancy Cell in the college gives the students real time job experience and opportunities to further their creativeness. The Cell harnesses the intellectual capital of the college by providing consultancy services to Corporates. The cell also attempts to fulfill the institution's social obligations by extending services to the poor and needy.



Infrastructure

Hostels

Separate in-campus hostels are provided for men and women with spacious, well-furnished rooms. Common rooms offer TV, games, music, telephone, reading and internet facilities. Also provided are services of dining, laundry facilities and 24-hours security.



College Canteen

A canteen that seats 150 plus persons, offers high-quality food at very affordable rates to students and faculty members. A store attached to the college canteen provides essential items.

Banking

Banking services are offered on-campus by the Indian Overseas Bank



Canteen

Medical Facilities

The College has availed the services of a Medical doctor to give immediate medical facilities to students and staff of the college.

Transportation

The college provides buses for students and faculty to commute from various locations. In addition, the college is easily accessible by public transport as the campus is located only two kms away from Kaiparambu, the central point between Thrissur and Guruvayoor.

Co-operative Store

The college has a co-operative store that provides textbooks, engineering drawing equipments and other stationery to students at concessional rates.

Non-Academic Administration

The administrative wing of the college is headed by:
Lt Col (Retd.) C. K. Babu, Administrator.
The wing is responsible for campus security, running of the hostels and canteen, transportation and day-to-day maintenance of the college.



Hostel



The fleet of College busses

Our Honorary Advisors

Mr. P.M. Abraham, IAS (Retd)
Former Secretary, Ministry of Surface Transport, Govt of India

Prof. Abdul Karim Musaliar
Professor, TKM Institute of Management, Member of TKM College Trust.

Padmashri Dr. N. Balakrishnan Nair
Former Chairman, State Committee on Science, Technology & Environment

Dr. D. Balakrishnan
Former Joint Director of Technical Education, Kerala

Mr. P.V. Chandran
Managing Editor, Mathrubhumi printing and publishing company, Kerala

Mr. T. N. Jayachandran, IAS (Retd.)
Former Additional Chief Secretary, Govt. of Kerala,
Former Vice-Chancellor, University of Calicut and CUSAT

Er. M. N. Prasad
Former Chairman, Railway Board of India and Ex officio
Principal Secretary, Ministry of Railways, Govt of India

Dr. K. R. Rajappan
Director and Senior Plastic Surgeon,
Specialist Hospital, Kochi

Mr. A. R. Sankaranarayanan IRS (Retd)
Former Managing Director, Steel Authority of India

Er. K. R. Brahmadathan
Former Chief Engineer, Kerala State Electricity Board



Certification

- Approved by the All India Council for Technical Education (AICTE)
- Affiliated to University of Calicut ISO 9001:2008 certified Institution



Academics

- Striving for the highest quality in the delivery of educational services
- Highly committed, experienced, motivated and affectionate faculty
- State of the art laboratory and computing facilities
- Library facilities of international standards
- A well organized training and placement cell managed by a team of reputed professionals



Infrastructure

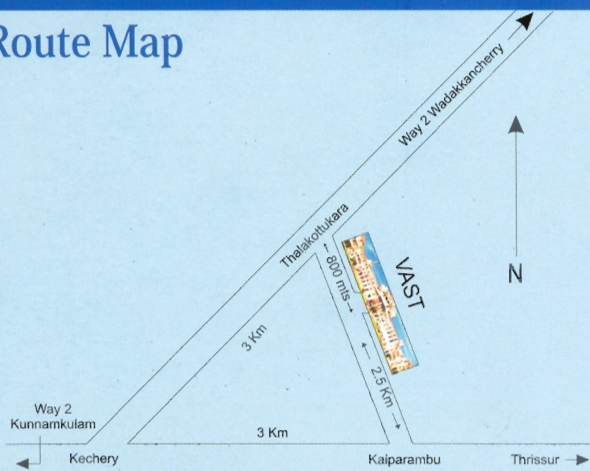
- Situated in Thrissur, the cultural capital of Kerala, VAST was established in the year 2003
- Over 30 acres of aesthetically landscaped lush green campus providing a serene ambience
- Architectural excellence for the built-up floor area
- World class standards in all wings of physical infrastructure



Management

- A management working with a noble vision
- A management committed to excellence
- A management providing scholarships to needy students

Route Map



VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY

Thalakkottukara P.O., Near Kaiparambu, Thrissur – 680 501, Kerala, India

Tel: +91-4885 287751 / 287752, Fax : +91-4885 288366

www.vidyaacademy.ac.in