

# Vidya Academy of Science and Technology (VAS)

Thalakkottukara P.O., Thrissur – 680 501, Kerala, India, Tel: +91-4885 287751 / 287752, Fax : +91-4885 288366  
Email: principal@vidyaacademy.ac.in, Website: www.vidyaacademy.ac.in



Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

ADMISSION BROCHURE 2018 - 19



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Google play store



At **VAS**  
We mould  
**WORLD** changers

Vidya Academy of Science & Technology (VAS), Thrissur, is a premier educational institution offering excellence in engineering education and research is approved by All India Council for Technical Education and affiliated to A.P.J. Abdul Kalam Technological University.

VAS is managed by Vidya International Charitable Trust, a public charitable trust, truly committed to promote professional education by opening state-of-the-art higher educational institutions and providing generous scholarships and appropriate counseling that would train the younger generation to obtain the best job anywhere in the world.

Our Vision

Progress through Education


Our Mission

To seek, strive for and scale greater heights of quality education





VAS FACTS

**VAS SCHOLARSHIPS**


 **122** SCHOLARSHIPS awarded every year


**FACULTY**

 **211** Full-time FACULTY


 **20** Faculty hold DOCTORAL degrees

**LABORATORIES**


 **6** Research Labs


 **50+** Well Equipped Labs


**Bosch** Centre for Internship & Training


 One of the few Unaided Engineering Colleges in Kerala approved for offering **Ph.D in Engineering & Mathematics**


**STUDENT ENROLLMENT**


 **2478** UNDERGRADUATE STUDENTS

 **405** PG STUDENTS

 **11** Industry tie-ups to mould the next generation engineers from the campus itself

 TBI with **11** STARTUPS

 KTU approved research centre

 VAS alumni placed in more than **100 companies** across the globe



Dr. Sudha Balagopalan  
M.Tech., Ph.D.  
Principal

Principal's Message

Know the theory and facts,  
Understand the fundamental concepts,  
Apply your innovative ideas,  
Analyze your designs and codes,  
Evaluate what you have developed,  
Create a unique product.  
At Vidya, we create creative engineers through all levels of taxonomy of engineering education.



Some of our outstanding Alumni.....

... who became Successful Entrepreneurs



**Mr. Anup Mohan**  
B.Tech CSE, 2009  
Director  
Flamingos MEDIA  
(a Digital & Mobile  
marketing company based  
at Startup Village) Kochi



**Mr. Rishwan Mammooty**  
B.Tech EEE, 2008-12  
Founder &  
CEO of Scientific  
Wizard Ernakulam



**Mr. Jinto Arangassery**  
B.Tech ME, 2003-07  
Hailstone Pvt. Ltd.  
Trichur

.. who are pursuing their academic dreams abroad



**Mr. Nithin Padmanabhan**  
B.Tech-EEE 2003-07  
Doctorate Researcher,  
University of Waterloo



**Mr. Jayadevan Raja**  
B.Tech-CSE  
Research Scholar,  
State University of  
NewYork



**Ms. Ananthalakshmy Krishnamoorthy**  
B.Tech - EEE  
Graduate Researcher,  
Worcester Polytechnic  
Institute, USA



**Ms. Ajana C. S.**  
MCA-2010 PG student,  
University of Illinois,  
Chicago



**Mr. Ajin Aravind**  
EEE 2003-07 Awarded  
M.S Degree from  
University of Wollongong,  
Australia

.... who excelled in higher studies in great institutions in India



**Reeba A. J.**  
CE, VIT, Chennai  
1<sup>st</sup> Rank



**Ananthalakshmy**  
EEE, MIT  
1<sup>st</sup> Rank



**Midhun P. G.**  
CSE, NIT Suratkal  
1<sup>st</sup> Rank



**Ramesh C. R.**  
ECE, NIT Calicut  
1<sup>st</sup> Rank



**Anitha C.**  
CE, IIT Mumbai  
2<sup>nd</sup> Rank



**Aswathy P.**  
CE, NIT Trichy  
2<sup>nd</sup> Rank



**Suneesh**  
PE, GEC Trichur  
2<sup>nd</sup> Rank



**Vandana V.**  
CE, NIT Trichy  
3<sup>rd</sup> Rank



**Nikhil Menon**  
ME, NIT Calicut  
1<sup>st</sup> Rank



**Nitha A. Nalarajan**  
CE, IIT, Chennai  
Research Scholar



**Finto Raphel**  
NIT, Calicut  
Research Scholar



**Raveen R. Menon**  
IIT, Mumbai  
Research Scholar



VAS Training and Placement Centre



256 Placement offers  
2016-17

46 Companies visited our  
campus for recruitment  
in 2017-18.

Accredited by Tata  
Consultancy Services (TCS)

TCS has been recruiting from  
our campus consecutively for  
the last 8 years

VAS has been recognized as an  
Advanced Partner Institute  
under the Infosys Campus  
Connect program



**Prof. Paul J. Chakola**, MCA  
Training & Placement Head

Previous Experience :

» Over 15 years of software industry  
experience and worked for some  
of the leading companies like ICICI  
and 3i infotech and as Project  
Manager with Mastek Limited,  
Mumbai.

Top Recruiting Companies at VAS

Sl.	Name of the Company	Core/IT
1	Aarbee Structures	Core
2	Al Reyami	Core
3	Assyst International	IT / ITES
4	Cognizant Technologies (CTS)	IT / ITES
5	Cybernet Slash Support (CSS)	IT / ITES
6	Digital Core Technologies	Core
7	Elgi	Core
8	Federal Bank Ltd.	Banking
9	IBS Software	IT / ITES
10	IBM India Ltd.	IT / ITES
11	Infosys Ltd.	IT / ITES
12	ICAD, KSA	Core
13	L&T Infotech	IT / ITES
14	Mpahsis India Ltd.	IT / ITES
15	NeST Technologies	IT / ITES
16	Poornam Infovision	Core
17	Penta Homes / COSTFORD	Core
18	Popular Vehicles & Services Ltd.	Core
19	Quality International, UAE	Core
20	Reliance Communications ADA	Core
21	Sobha Developers	Core
22	South Indian Bank Ltd.	Banking
23	Sutherland Global Services Ltd.	IT / ITES
24	Syntel Inc.	IT / ITES
25	Tech Mahindra Ltd.	IT / ITES
26	Tata Consultancy Services (TCS)	IT / ITES
27	TVS Sundaram Fastener	Core
28	UIT CADD Centre	Core
29	US Technologies (UST Global)	IT / ITES
30	Wipro Technologies	IT / ITES



TCS placed students in 2017





## University Toppers ... Pride of VAS

 <b>Neethu Mohan</b> 1 <sup>st</sup> Rank, B.Tech (ECE) 2015	 <b>Lakshmy Rajan P.</b> 1 <sup>st</sup> Rank, B.Tech (PE) 2015	 <b>Shaliya P. S.</b> 2 <sup>nd</sup> Rank, B.Tech (ECE) 2015	 <b>Neelima</b> 3 <sup>rd</sup> Rank, B.Tech (CE) 2015	 <b>Susobh</b> 4 <sup>th</sup> Rank, B.Tech (ME) 2015	 <b>Balu Dinesh P.</b> 6 <sup>th</sup> Rank, B.Tech (ECE) 2015
 <b>Rathna K. K.</b> 7 <sup>th</sup> Rank, B.Tech (ECE) 2015	 <b>Ashid Sha Jaleel</b> 1 <sup>st</sup> Rank, B.Tech (PE) 2014	 <b>Shajna Musthafa</b> 1 <sup>st</sup> Rank, MCA 2014	 <b>Tainu Ousey</b> 2 <sup>nd</sup> Rank, MCA 2014	 <b>Praji Pradeep P.</b> 3 <sup>rd</sup> Rank, MCA - 2015	 <b>Keerthy Jayadevan</b> 2 <sup>nd</sup> Rank, B.Tech (CSE) 2014
<b>Devika K. N.</b> 2 <sup>nd</sup> Rank, B.Tech (CE) 2014	<b>E. R. Rahul Krishnan</b> 3 <sup>rd</sup> Rank, B.Tech (PE) 2014	<b>Aparna M. P.</b> 4 <sup>th</sup> Rank, B.Tech (ECE) 2014	<b>Nimmy Krishnan</b> 5 <sup>th</sup> Rank, B.Tech (CSE) 2014	<b>Shahana M. A.</b> 1 <sup>st</sup> Rank, MCA 2013	<b>Nitish H.</b> 1 <sup>st</sup> Rank, B.Tech (PE) 2013
<b>Manasa Manohar</b> 1 <sup>st</sup> Rank, B.Tech (PE) 2013	<b>Girish T.</b> 2 <sup>nd</sup> Rank, B.Tech (PE) 2013	<b>Sobhitha Venugopal</b> 3 <sup>rd</sup> Rank, B.Tech (PE) 2013	<b>Ann Mary John</b> 1 <sup>st</sup> Rank, MCA 2012	<b>Veena N. V.</b> 1 <sup>st</sup> Rank, MCA 2011	<b>Uma Narayanan D.</b> 3 <sup>rd</sup> Rank, MCA 2011
<b>Faseela M. K.</b> 4 <sup>th</sup> Rank, B.Tech (PE) 2011	<b>Harsha P. U.</b> 5 <sup>th</sup> Rank, B.Tech (PE) 2011	<b>Gokul R.</b> 2 <sup>nd</sup> Rank, B.Tech (CE) 2011	<b>Vandana V.</b> 5 <sup>th</sup> Rank, B.Tech (CE) 2011	<b>Jerish P. J.</b> 1 <sup>st</sup> Rank, B.Tech (PE) 2011	<b>Ambareesh P.</b> 4 <sup>th</sup> Rank, B.Tech (PE) 2011
<b>Reeba John N.</b> 4 <sup>th</sup> Rank, B.Tech (CE) 2010	<b>Anjitha V.</b> 3 <sup>rd</sup> Rank, B.Tech (ECE) 2010	<b>Suneesh E.</b> 2 <sup>nd</sup> Rank, B.Tech (PE) 2010	<b>Patrick Liton P. J.</b> 3 <sup>rd</sup> Rank, B.Tech (PE) 2010	<b>Nitha Ayinippully N.</b> 1 <sup>st</sup> Rank, B.Tech (CE) 2010	<b>Badhriya V. A.</b> 3 <sup>rd</sup> Rank, B.Tech (CSE) 2008

## Courses Offered

<b>B.Tech</b>	Intake	Lateral Entry	Fee Waiver
<b>Civil Engineering</b>	120	24	6
<b>Computer Science &amp; Engg.</b>	120	24	6
<b>Electronics &amp; Communication Engg.</b>	120	24	6
<b>Electrical &amp; Electronics Engineering</b>	120	24	6
<b>Mechanical Engineering</b>	120	24	6
<b>Production Engineering</b>	30	12	2
<b>M.Tech</b>			
<b>Computer Science &amp; Engineering</b>	18		
<b>Power Electronics</b>	18		
<b>Structural Engineering</b>	24		
<b>Embedded Systems</b>	24		
<b>MCA</b>			
<b>Master of Computer Applications (MCA)</b>	60	12	

## VAS Admission

VAS offers Undergraduate courses in B.Tech and Postgraduate courses in M.Tech & MCA, all affiliated to APJ Abdul Kalam Technological University and approved by AICTE.

## Admission Procedure

**Eligibility :** As per the guidelines of CEE, University, Government of Kerala and AICTE.

**How to apply for Management Seats:** Candidates who wish to apply under the Management quota can submit their application online.

**ONLINE** Application will start from 05 April 2018 through the college website [www.vidyaacademy.ac.in](http://www.vidyaacademy.ac.in)

Print copy of the ONLINE application form is required to be submitted to the college along with copies of Plus 2 mark list and KEAM 2018 Admit Card before closing date of application.

For admission procedure, fees structure and other information about college, Kindly refer our website [www.vidyaacademy.ac.in](http://www.vidyaacademy.ac.in) & Admission Prospectus 2018.



## Ph.D. Admissions

- ❖ The college is Research Centre of APJ Abdul Kalam Technological University (KTU).
- ❖ College has facilities for research in Engineering Technology and Mathematics areas leading to the award of the Doctor of Philosophy (Ph.D).
- ❖ Candidates qualifying the KTU's Entrance procedure can join for Ph.D under the approved guide in the college.
- ❖ Full time and part time Ph. D. candidates can utilize the research and information resources available at VAS.

Admission Helplines

B.Tech. : 8281 79 55 55

M.Tech. : 8281 59 55 55

MCA : 8281 39 55 55

MOBILE APP

For all entrance related information, download "ENGG ENTRANCE HELP" from Google play store

## Scholarships

VAS offers 122 Scholarships every year to outstanding students based on financial need, academic merit, or both.



Scholarship and Endowment Prize Distribution Function 2016 being awarded by Shri A. C. Moideen Hon'ble Minister for Co-operation and Tourism



## DIRECTORS



### Dr. Gangan Prathap

Shanti Swarup Bhatnagar Prize winning scientist serving as Research Director B. Tech and Ph.D in Aeronautical Engineering, IIT Madras

#### Formerly :

Director of CSIR – National Institute for Interdisciplinary Science and Technology (NIIST) and National Institute of Science Communication and Information Resources (NISCAIR)



### Dr. Anil B.

Academic Director  
M.Tech in Machine Design  
Ph.D from IIT Madras

#### Formerly :

Principal, Government Engineering College, Bartonhill, Trivandrum,  
Chairman, Indian Society for Technical Education (ISTE)



### Dr. Latha Raj P.

Director, Students Welfare & Social Projects, VICT  
M.Sc Chemistry  
Ph.D Chemistry from University of Calicut  
M. Sc Psychology (Madras University)

#### Formerly :

Professor & Head, Dept. of Chemistry, Government Engineering College, Thrissur  
Principal, C. Achuthamenon Memorial College, Thrissur  
Principal, Maharaja's College, Ernakulam

## ACADEMIC LEADERS



### Dr. Sudha Balagopalan

Principal  
B.Sc (Engg) Honours in Electrical Engineering with University Rank, NIT Calicut.  
M.Tech. (Hons) (Power Systems )  
Ph.D (Power Systems) NIT, Calicut

#### Formerly

Scientific Officer BARC ( Bhabha Atomic Research Centre) - Trombay, 1980-1983  
Design & Estimate Engineer, Electrical Projects Co, Kuwait - 1985-1991  
Faculty, EEE Dept., GEC, Thrissur & MES College of Engg, Kuttipuram - 1991-1998, Asst. Engineer, KSEB, 1998-2003



### Dr. V. N. Krishnanchandran

Vice-Principal & HoD-MCA  
M.Sc., Ph.D., MISTE

#### Formerly

British Council Scholar in Loughborough University of Technology, U.K  
Head of Department of Mathematics, Govt. Engineering College, Thrissur  
Principal, Govt. Victoria College, Palakkad



### Dr. M. N. Agnisarman Naboodiri

M.Sc (Engg.), Ph.D  
(Texas A & M University, USA)

#### Formerly

Head of Department of Computer Science & Engineering, VAST  
Head of Department of Computer Applications, Govt. Engineering College, Thrissur



### Dr. K. B. Maheswaran Nampoothiripad

Professor, ME  
Ph.D, MISTE, FIE

#### Formerly

Dean, Amrita Vishwa Vidyapeetham, Coimbatore  
Professor of Mechanical Engineering National Institute of Technology, Calicut



### Dr T. N. Padmanabhan Nambiar

Sr Professor (PG)  
Ph.D

#### Formerly

Professor, Department of Electrical and Electronics Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, India

## HEADS OF DEPARTMENTS



### Prof. K. V. Leela

M.Tech (Structural Engineering) IIT, Madras  
B.Tech (Civil Engineering.) NIT, Calicut

**Head of the Department :** Civil Engineering, VAS since 2009

**Formerly :** Principal, Govt. Engineering College, Calicut, 2007 – 2009

**Professor & Head, Department of Civil Engineering**

Govt. Engineering College, Thrissur, 2003 – 2007

Govt. College of Engineering Kannur ( 2002- 2003)

Rajiv Gandhi Institute of Technology, Kottayam (2000-2001)



### Dr. Ramani Bai V.

Ph.D (Information and Communication Engineering)  
M.Tech (Information and Technology)  
B.E (Electronics and Instrumentation Engineering)

**Head of the Department :** Computer Science and Engineering, VAS since 2017

**Formerly :** Professor & HoD of Computer Science and Engineering, Saintgits College of Engineering, Kottayam (2015-2017)

PG Co-ordinator, Saintgits College of Engineering, Kottayam (2005 - 2013)



### Dr. S. Swapna Kumar

M.Tech, Ph.D.  
Master of Business Administration - M.B.A  
F I E, C. Engg (I), MISTE, MIEEE

**Head of the Department :** Electronics and Communication Engineering, VAS since 2014

**Formerly :** Over 11 years of Teaching and Research Experience in various Engineering colleges in Kerala since 2005-2013

**Industrial Experience :** Experience of 11 years in reputed industries

First Spinners Plc. (100% EOU), Church Gate Group, Lagos, Nigeria, 1997-2004

Kirloskar Toyoda Textile Machinery (P) Ltd., Bangalore, Karnataka, 1996-1997



### Prof. Remani T.

M.Tech. (Instrumentation & Control Systems), NIT, Calicut.  
B.Tech. (Electrical & Electronics Engineering, T.K.M. College of Engg., Kollam)

**Head of the Department :** Electrical & Electronics Engineering, VAS since June 2016

**Formerly :** Professor, Dept. of EEE, Govt. Engineering College, Thrissur. 2013 - 2016

HoD of EEE, Govt. Engineering College, Idukki. 2010 - 2012

Professor, Dept. of EEE, Govt. Engineering College, Thrissur. 2006 - 2010



### Dr. N. Ramachandran

Ph.D (Unconventional Machining, Mechanical Engineering) IIT Bombay  
MSc. Engg. (GEC Thrissur)  
BSc. Engg (GEC, Thrissur, Calicut University)

**Head of the Department :** Mechanical Engineering, VAS since September 2017

**Formerly :** HoD of Mechanical Engineering, NIT Calicut (Nov 2015- August 2017)

Project Assistant/ Scientist Gr. V at Central Power Research Institute, Bangalore (June 1979- August 1983)



### Prof. K. Dileep

M. Tech. (Energy Engineering)  
NIT, Bhopal  
B.E (Mechanical Engineering)  
CIT, Coimbatore

**Head of the Department :** Production Engineering, VAS since 2017

**Formerly :** Associate Professor & HoD of Mechanical Engineering, VAS

Maintenance Engineer in Indian Air Force



### Dr. S. Satheesh

Ph.D (Statistics), Cochin University of Science And Technology, Cochin  
NET (UGC)  
MSc (Statistics), University of Kerala.

**Head of the Department :** Applied Sciences, VAS since 2013

**Formerly :** Department of Telecommunications, Government of India, 1990



### Dr. Rose V. V.

Ph.D. (American Literature), Calicut University  
MBA National Institute of Business Management, Chennai  
M.Phil.First Class, Annamalai University  
M.A.(English Language and Literature)  
First Class, Presidency College, University of Madras

**Head of the Department :** Humanities, VAS since 2016

**Formerly :** Professor & HoD of English, Vimala College, Thrissur.

## B.Tech. in Civil Engineering (120 Seats)



Think it

Build it



## B.Tech. in Computer Science and Engineering (120 Seats)



Program it

Connect it



Head of the Department  
Prof. K. V. Leela  
M.Tech., FIE, MISTE

### Senior faculty in the department

- Dr. C. Justin Jose
- Dr. Santhosh Prasannan
- Dr. Deepa Mohan
- Prof. Abhilasha P.S.
- Prof. V. Jayadevan



The department organised a three day National Conference on Recent Advances in Civil Engineering & Technology (REACT 2017) during 24 - 26 May 2017



**Hasti Griha**, A startup company of the College, received grant of 2 lakhs from the Kerala Startup Mission (KSUM), the implementing agency of Government of Kerala for entrepreneurship development

### About the Department

The department of Civil Engineering offers the NBA accredited four-year B.Tech programme and two-year M.Tech Programme for 24 students with specialization in Structural Engineering.

### Highlights of the Department

- Professional societies like ISTE and IE (I) provide opportunities for the overall development of the students and are active throughout the year. The department **conducts add-on courses / training in softwares related civil and structural engineering** to enhance the professional skill of the students.
- The department undertakes **industrial consultancy works** as a part of its interaction with industry in structural design, water supply, waste water treatment, solid waste management and watershed management.
- Civil Engineering Department, has been granted a fund of **Rs. 3 lakhs by KSCSTE** under TDAP scheme. The grant was officially approved on 13<sup>th</sup> March, 2017.
- Nitha A. N. and Reeba Job, secured First and Fourth ranks respectively in the Calicut University B.Tech examinations for the year 2010.
- Gokul Raveendran K. secured Second rank in the Calicut University B.Tech examination for the year 2012.
- Devika K. N. secured Third rank in the Calicut University B.Tech examination for the year 2014.



Head of the Department  
Dr. Ramani Bai V.  
B.E, M.Tech, Ph.D

### Senior faculty in the department

- Dr. M. N. Agnisarman Namboodiri, Dean PG Studies
- Prof. Sunitha C
- Prof. Sivadasan E. T



College felicitates Red Hat certified 28 B.Tech CSE Students.



Ms. Aishwarya P. G. (S8 B Tech (CSE)) has been conferred the Best Woman Innovator Award for her revolutionary system for menstrual waste disposal in the "**Dr. Pradeep P. Thevannoor Innovation Awards 2017**".

### About the Department

The department offers four year B.Tech programme and two year M.Tech Programme in Computer Science and Engineering. The department has a comprehensive curriculum on topics related to all aspects of computer hardware and software with an emphasis on practical learning.

**ACM and CSI student chapters are active in the department.**

### Highlights of the Department

- **Excellent placement record in reputed** companies like TCS, Infosys, UST Global, Experion Technologies, Mphasis, SLK Software, Sutherland, Poornam Infovision, Mindtree, IBM Software Services, IBM etc.
- **Value Added Courses** in the domains of Data Science & Analytics, Machine Learning, Web Technologies & Network Administration to widen students' horizon of technical skills.
- Exposure and Training to students on Real Time projects in companies like TCS, Infosys, UST Global, Sutherland, Poornam, Infovision, IBM.
- Membership in professional bodies IE, ISTE & CSI.
- Institution of Engineers funded Rs. 50,000/-for M.Tech student project titled "Automatic Diagnosis And Assessment of Lung Cancer Patients".
- Department carries consultancy projects and development in ERP Solutions and Web Technologies.



## B.Tech. in Electronics and Communication Engg. (120 Seats)



Create it

## B.Tech. in Electrical and Electronics Engg. (120 Seats)



Apply it

Transform it



Solve it



Head of the Department  
**Dr. S. Swapna Kumar**  
MBA, M.Tech, Ph.D, F I E,  
C. Engg (I), MISTE, MIEEE

### Senior faculty in the department

- Prof. Divya Unni
- Prof. Resmi K. Rajan
- Prof. Rakesh V. S.
- Prof. Balan K.
- Dr. Lenina Vithalrao Birgale

### About the Department

The Department of Electronics & Communication Engineering offers the four-year B.Tech programme with an intake of 120 students and the two-year M.Tech programme with specialisation in Embedded Systems with an intake of 24 students.

### Highlights of the Department

- The ECE Dept of the College organised a two-day **National Conference** on Advanced Innovations in VLSI during 09-10.03.2018. The conference was sponsored by KSCSTE and PTA(VAST), and was organised jointly with IETE.
- VAS signed Memorandum of Understanding with **C-DAC** and **KELTRON** for providing host of services in the area of research, training and projects.
- Institutional membership of IETE, IE(I), IETE, ISTE, etc are tapped to provide opportunities for the students.
- The department offers several value added courses in LaTeX Software, MATLAB, CNAP, C++ Programming, Entrepreneurship, Embedded C, Advanced Embedded Processors, Optical Communication Using MATLAB and SIMULINK.
- The department also conducts workshops, add-on-courses and faculty development programs regularly for improving the teaching and learning quality.
- Ms. Neethu Mohan (Graduated in 2015) secured First Rank in Calicut University for B.Tech. ECE.



We secured first prize in the prototype designing competition at **ICTAK TECHATHLON 2016-17** at Technopark, Trivandrum



Ms. Surya S., M. Tech. (Embedded Systems) student, bagged the IEAE Student Award for her PG project titled **"Robotic Exoskeleton for Rehabilitation of TMD via Assisted Motion of Jaw"**.



Head of the Department  
**Prof. Remani T.**  
M.Tech, FIE, MISTE

### Senior faculty in the department

- Dr. Sudha Balagopalan
- Dr. T. N. Padmanabhan Nambiar
- Prof. Rajesh S. K.
- Prof. Mary P. Varghese
- Dr. Nimal Madhu

### About the Department

The Department of Electrical & Electronics Engineering offers the NBA accredited B.Tech programme in Electrical & Electronics Engineering and the two-year M.Tech programme in Power Electronics.

### Highlights of the Department

- The EEE Department of the College organised a workshop on "Machine Learning Based Brainwaves Electroencephalography (EEG): Decoding and Understanding" on 03 - 04.01.2018 as a prelude to the 4th Edition of the **International Conference EPSCICON** which was held during 07 - 11.01.2018.
- The EEE Dept of the College organised a Short Term Training Programme on "The State-of-the-art Computational Methods and Software for the Design and Analysis of Linear Time Invariant Control Systems" with **Prof Biswa Nath Datta from Northern Illinois University, USA**, as the chief resource person during 13-15.01.2018.
- The department organized 3 highly acclaimed International Conferences "EPSCICON" graced by **Padmabhushan Dr. Thomas Kailath**, Dr. Yutaka Yomomoto, Dr. Kok Lay Teo, Dr. Biswa Nath Datta, Dr. Delfim Torres etc from more than 14 countries.
- Ms. Vidya B., secured Third rank in Calicut University in 2007.
- Ms. Sreelakshmy Suresh, secured Sixth rank in Calicut University in 2013.



VAS appreciates **Dr. Biswanath Datta, Distinguished Research Professor of Northern Illinois University** for PC Ray Chair Award Instituted by Indian National Science Academy (INSA)-2017-18.



Inauguration of EPSCICON 2018 on 6.01.2018 at college auditorium



## B.Tech. in Mechanical Engineering (120 Seats)



Apply it

Solve it



## B.Tech. in Production Engineering (30 Seats)



Test it

Refine it



Head of the Department  
**Dr. N. Ramachandran**  
BSc. Engg., MSc. Engg., Ph.D.

### Senior faculty in the department

- Dr. K. B. Maheswaran Nampoothiripad
- Dr. Narayan Komareth
- Prof. Biju P. V.
- Dr. Sooraj K. Prabha
- Prof. Rajesh N. P.
- Dr. Rakesh Hari



### Vidya gets ISRO project worth 13.14 lakhs.

The Indian Space Research Organisation (ISRO) has sanctioned an amount of Rs.13.14 lakhs for carrying out a project titled "Prediction of Process Induced Deformations and Residual Stresses in Fiber Reinforced Composite Laminates" in the College. Dr. Sooraj K Prabha, Associate Professor of Mechanical Engineering, is the Principal Investigator for the project.



'The Mini Excavator' indigenously designed and developed by our students

### About the Department

The Department of Mechanical Engineering offers the four-year B.Tech programme which admits 120 students each year. The department prepares graduates to further specialize in emerging areas like robotics, aerospace, design and systems, fluid mechanics, material science to help them seek employment with wide range of industries.

### Highlights of the Department

- The Department of Mechanical Engineering of the College organized a two-day workshop on Blended Learning during 28-29.11.2017.
- VAS in collaboration with **Bosch** Limited, the German autogiant, has setup a state-of-the-art equipment laboratory to provide hands on training to the students on automotive technology with focus on electrical and vehicle diagnostics.
- High performance computing station with dedicated login from APJ Abdul Kalam Technological University.
- Research laboratory with high configuration work stations.
- The CERD of APJAKTU has granted financial assistance to a student project submitted by the Mechanical Engineering Department of the College. The project is basically related to the estimation of deformations in the composite laminates in different processing conditions.



Head of the Department  
**Prof. K. Dileep**  
B.E., M.Tech (NIT, Bhopal)

### Senior faculty in the department

- Prof. Anil Kumar K. R.
- Prof. K. K. Sangeeth
- Dr. Ramdas T.
- Prof. Skariya P. D.



Two-day Workshop on Industrial Automation by PE Dept.



Our Student project named "Design and Fabrication of Integrated Macadam Road Construction Machine" has been granted financial assistance offered by Kerala State Council for Science Technology and Environment .

### About the Department

The Department of Production Engineering offers the four-year B.Tech Programme which admits 30 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.

### Highlights of the Department

- First rank in Calicut University for **Three** consecutive years and has produced **13 rank holders** since its inception.
- GATE coaching and soft skill development programs are being arranged in an organized manner.
- The PE Dept of the College organised a two-day workshop on Industrial Automation, named BITS (Bringing Industries To Students), for the final year B Tech students of ECE, EEE, ME and PE Depts of the College on 30-31.01.2018. .
- Certified add-on courses on 'CNC machining with Master CAM' to expand curriculum.
- PE department is offering consultancy services in the following.
  - Completion of Lab experiments for AMIE students (stream: Production Engineering) registered with Institution of Engineers, Kolkata.
  - Study and evaluation of Cutting tool forces using lathe tool dynamometer.



## Master of Computer Applications (60 Seats)



Program it

Connect it



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

### Senior faculty in the department

- Prof. Reji C. Joy
- Prof. Sajay K. R.
- Prof. Dijesh P.
- Prof. Aparna S. Balan

### Highlights of the Department

- Workshops in Web Hosting, LaTeX, Malayalam Computing, Google Sites, and in many more areas.
- Competitive ambience to acquire knowledge and to develop and sharpen skills to excel in life and work.
- Contests like E-SPIDERZ (web site designing contest).
- Workshops like CHIP-to-NET for the students of neighbouring Arts and Science College.
- Focussed training for skill development and placement.
- First ranks in Calicut University for Four consecutive years.
- Add-on courses to expand curriculum.

### University topper

- 🎓 Ms. Praji Pradeep (2015) - Third Rank
- 🎓 Ms. Shajana Musthafa (2014) - First Rank
- 🎓 Ms. Tainu Ousey (2014) - Second Rank
- 🎓 Ms. Shahana M. A. (2013) - First Rank
- 🎓 Ms. Ann Mary John (2012) - First Rank
- 🎓 Ms. Veena M. V. (2011) - First Rank
- 🎓 Ms. Uma Narayanan D. (2011) - Third Rank

### About the Department

The Department of Computer Applications offers the three-year Master of Computer Applications (MCA) programme. The Department organizes specialized academic activities to supplement the curriculum and to enhance the competitive edge of the students.

Additional academic programme conducted by the Department include.

Providing facilities for getting trained under the Campus-Connect programme of Infosys Technologies Ltd., and off-hours training in emerging technologies like Java, PHP, etc with the support of the Continuing Education Cell of the College.



**The pre-placement talk by TCS officials**, conducted as part of the campus recruitment drive for the 2018 pass out batch was held on 24.10.2017 at the College Auditorium

## Department of Applied Science and Humanities

The Department of Applied Sciences, which encompasses the three basic science disciplines of Mathematics, Physics and Chemistry, is academically the most vibrant department of the College.

It has the distinction of being the Department in the College having the largest number of PhD degree holders.



Head of the Department  
Applied Science  
**Dr. Satheesh S.**  
M.Sc., Ph.D.,

### Senior faculty in the department

- Prof. Sulochana M. V.
- Dr. Jiby Jose Kizhakepedika
- Dr. Sudev N. K.
- Prof. Susanth C.
- Prof. Nisha A. B.
- Dr. Sobha A. P.
- Smt. Asha Nair
- Dr. Vineetha C. P.



Head of the Department  
Humanities  
**Dr. Rose V. V.**  
M.A., M.Phil., MBA, Ph.D.,



## M.Tech Courses

### M.Tech. in Structural Engineering (24 seats)

M.Tech. course in Structural engineering covers numerical methods in Structural engineering, Advanced theory and design of concrete structures, structural dynamics, finite element Analysis, Analysis & design of earthquake resistant structures, Advanced design of metal structures and design of pre-stressed concrete structures.

### M.Tech. in Computer Science and Engineering (18 seats)

M.Tech. course is intended to train the students in core courses and specialized topics in the emerging technology fronts. The course equips the graduates with the ability to analyze and apply fundamental principles of computing and mathematics as appropriate to the discipline of computer science and engineering.

### M.Tech. in Embedded Systems (24 seats)

The ECE department offers two years M.Tech. course in Embedded Systems. The objective of the course is to mould graduate electronics engineers with the specialization in Embedded System. The course covers a range of topics that makes the students suitable for embedded industrial needs.

### M.Tech in Power Electronics (18 seats)

The M.Tech. course imparts knowledge in the field of Power Electronics and its application to Electrical Machines, Drives, Industrial Equipment and Power Systems. It also gives hands-on experience through practical and project courses.





**Over 30 acres** of aesthetically landscaped lush green campus providing a serene ambience.

**Total Built-up area of 4.5 lacs sq.ft**

## Infrastructure & Facilities

VAS is 30 acres of aesthetically landscaped lush green campus providing a serene ambience. There are a lot of facilities to supplement classroom teaching. These facilities encourage and aid students in innovative thinking and pursuing careers of their choice. Spacious classrooms, most modern language-lab, wi-fi with internet connectivity, high end computing facilities, modern

laboratory equipments and testing laboratories of industrial standards are provided for the students. Banks with ATM, Departmental stores, Cafeteria, Transportation facilities for staff and students, A fully automated Computerised Library, Indoor and Outdoor sports facilities, fitness centre, medical centre are some of the additional facilities.



Central library



Computer centre



Thermal lab



VLSI LAB

## Campus Life



**Vidya startups attracts funding from the Kerala Startup Mission (KSUM)** Cloudsun solution, a startup company managed by a team of eight B.Tech students received a grant of Rs. 2 lakhs from KSUM, Government of Kerala.



**Vidya student Secured 1st Prize at Dr. APJ Abdul Kalam Innovation Ecosystem Award 2017** Sarath Sasikumar, Sethu E P and Athul P S won first prize with cash award of one lakh under the "WATER and ENVIRONMENT Category" for the project ECOLOG- Recycle paper pen and semi automated



The NSS units of Vidya received an Appreciation Award for their outstanding contribution to the society through the successful implementation of "Punarjani Camp 2017-18".



### EPSCICON 2018

Dr. Pramod Khargonekar, University of California, Dr. Biswa Nath Datta, Northern Illinois University, attending EPSCICON INTERNATIONAL CONFERENCE 2018



### First prize in Folk Dance in D Zone arts festival 2018

Kavya A S (S8 B Tech (CSE)) student secures first prize in Folk Dance in D Zone arts festival 2018 of Calicut University held on 25.01.2018



### First position in the APJAKTU E Zone Chess Championship.

The College Chess Team (Men) (KTU) has secured the first position in the APJAKTU E Zone Chess Championship held in the College during 11-12 October 2017



**Gokul Raj of S7 B. Tech (CSE – A) batch was awarded the Best Musician Award and the First Prize in a national level band competition** organized by AUM studio, Poonkunnam, on 26 Aug 2017 at Govt. Engineering College, Thrissur.



A project proposal titled "Automated Security System for Automobiles" prepared by a team of five students of S7 BTech (EEE) batch has been granted funding from CERD



**Vidya Table Tennis Team has won the APJ AKTU Inter Collegiate Championship title** held at College of Engineering, Trivandrum.



# The “VAS” Management

Vidya International Charitable Trust (VICT) is a non-profit charitable trust formed by a group of philanthropic non-resident Indians (NRI) from all over the world. The Trust was constituted with a vision to provide state-of-the-art higher education and training to our younger generation who will be highly sought after by leading business houses world wide.

VICT in its mission to propel higher education in backward regions of

Kerala, is now setting up similar institutions in various parts of state horizontally deploying the good practices and success of VAS.

The Board of Trustees is responsible for the overall administration of the Trust and its activities. An Executive Committee, comprising of 11 members, manages the educational institutions of the Trust.

## BOARD OF MANAGEMENT

### VIDYA INTERNATIONAL CHARITABLE TRUST (VICT)

Executive Committee		Directors	
Mr. Sudhakaran Polassery	Chairman	Er. G. Mohanachandran	Executive Director
Mr. Sabu Soumian	Vice-Chairman	Dr. Gangan Prathap	Research Director
Mr. Gireesh Kumar Malattiri	Secretary	Dr. Anil B.	Academic Director
Mr. Manoj Kumar K. B.	Treasurer	Er. R. Devarajan	Project Director
Mr. Sudheer T. R.	Joint-Secretary	Mr. Suresh Lal	Finance Director
Mr. Asokan P. K.	Executive Member	Dr. Latha P. Raj	Director - Student Welfare and Social Projects
Mr. Muraleedharan K.	Executive Member		
Dr. V. S. Ajaikumar	Executive Member		
Mr. K. G. Sukumaran	Executive Member		
Dr. Santosh Prasannan	Executive Member		
Mr. Dilipkumar K. R.	Executive Member		



**The Science Talent Fest**, a programme aimed at creating science awareness among High School students, was well attended by students and teachers of High schools in the Thrissur District. The programme was lead by Padmashri Dr. M. Chandrathan



A program for the appreciation and honouring the topper of our first KTU batch for their outstanding performance in the University Examination was organized by **Vidya Student Support Cell (VSSC)** in college auditorium.

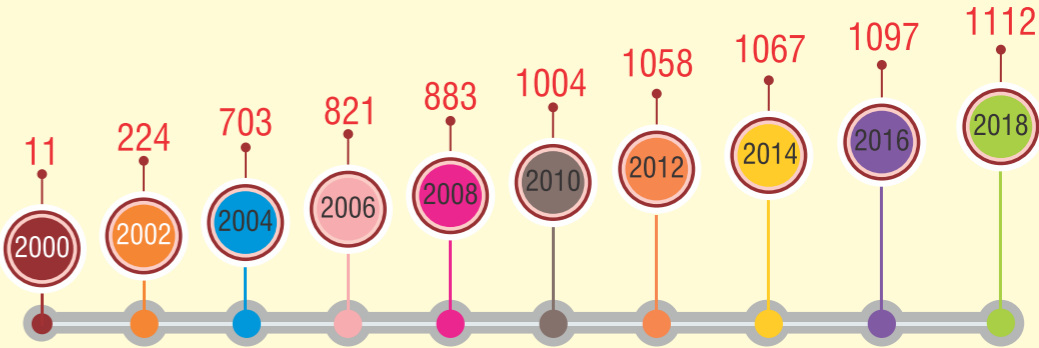
## FACTS AND FIGURES



as on 31<sup>st</sup> March, 2018

1112

Trustees across the globe



58 acres land

Thrissur, Kilimanoor, Kannur



7.2 lakh sq.ft  
Built-up area



2 Engineering colleges  
(Thrissur - 2003)  
Kilimanoor - 2013)



1 IT Academy  
(2001)



3<sup>rd</sup> College at kannur  
(land purchased)



1356 annual student intake capacity



5427 Engineers graduated



438 Employees

All facts are as on March 2018



The **NSS** volunteers of the College harvested **organic vegetables** in the farms developed by them and sold at reasonable prices to the faculty and staff members of the College on 01.02.2018. The vegetables included cauliflowers, cabbages and spinaches.



Under the '**Brahma-Outreach**' programme of Vidya, more than 100 school children have been trained in soft skills and personality development





## VICT Honorary Advisory Board

### Prof. Abdul Karim Musaliar

Member, TKM Engineering College Trust, Kollam

### Mr. P. M. Abraham IAS (Retd)

Formerly Secretary, Ministry of Surface Transport, Government of India;

### Dr. Anil B.

Former Principal, Government Engineering College, Barton hill, Trivandrum

### Padmasree Dr. M. Chandrandathan

Distinguished Space Scientist - ISRO; Former Director - VSSC

### Mr. P. V. Chandran

Managing Editor, Mathrubhoomi Printing and Publishing Company

### Dr. Gangan Prathap

Honorary Professor, APJ Abdul Kalam Technological University, Former Director NISCAIR, Former Vice Chancellor - CUSAT

### Dr. V. M. Manoharan

Former Deputy Director of Collegiate Education, Member of the Syndicate - University of Calicut.

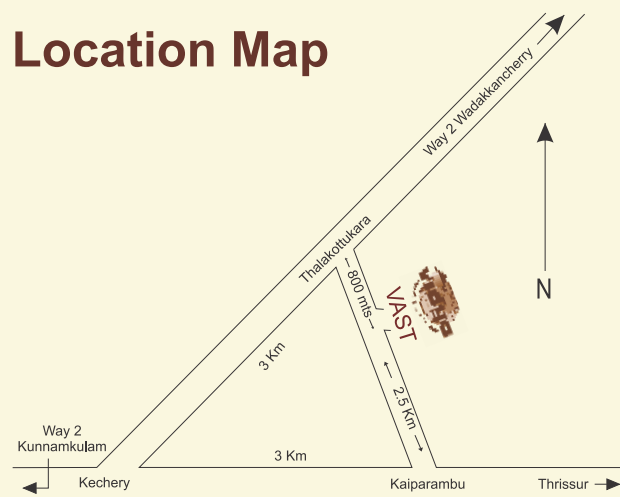
### Dr. K. R. Rajappan

Director and Senior Plastic Surgeon, Specialist Hospital, Kochi.

### Mr. A. R. Sankaranarayanan IRS (Retd)

Formerly MD, SAIL International Ltd., Former Director of Prime Minister's Secretariat

## Location Map



## Our second Engineering College at KILIMANOOR (TVM District)



# Vidya Academy of Science and Technology (VAS)

Approved by AICTE & affiliated to APJ Abdul Kalam Technological University

A Unit of Vidya International Charitable Trust

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

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

Email: [principal@vidyaacademy.ac.in](mailto:principal@vidyaacademy.ac.in), Website: [www.vidyaacademy.ac.in](http://www.vidyaacademy.ac.in)