Rajalakshmi ™
Institutions
Because the World needs you...

PROSPECTUS

RAJALAKSHMI
ENGINEERING COLLEGE
An **AUTONOMOUS** Institution
Affiliated to **ANNA UNIVERSITY, Chennai**

HARDWORK · DISCIPLINE · REC

PROSPECTUS

PROSPECTUS

www.rajalakshmi.org

Administrative Office: #69, New Avadi Road, Kilpauk, Chennai - 600 010
Ph: **+91 44 2644 2472, 2646 1316**

REC College: Rajalakshmi Nagar, Chennai-Bangalore Highway, Thandalam, Chennai - 602 105
Email: admin@rajalakshmi.edu.in | Website: www.rajalakshmi.org

Designed by **42andmore**

ABOUT THE COLLEGE

Rajalakshmi Engineering College was established in the year 1997 under the aegis of Rajalakshmi Educational Trust whose members have had consummate experience in the fields of education and industry.

VISION

To be an institution of excellence in Engineering, Technology and Management, Education & Research. To provide competent and ethical professionals with a concern for society.

MISSION

To impart quality technical education imbibed with proficiency and humane values. To provide right ambience and opportunities for the students to make them creative, talented, and globally competent professionals. To promote research and development in technology and management for the benefit of the society.

HALLMARKS

AUTONOMOUS STATUS CONFERRED BY UGC FROM 2017-18 ACADEMIC YEAR

- Eminent and well experienced faculty.
- Research Facility.
- Accredited by NBA.
- Accredited by National Assessment and Accreditation Council (NAAC) with A grade.
- Funded Projects from GoI, AICTE, DST, AERB, etc.
- Recognition as Scientific and Industrial Research Organization by DSIR, Government of India.
- One of the top 7 Institutions in the AICTE-CII survey for Industry Institute linkage.
- Employability Training Camps.
- Incentives for Prize Winners.
- Regular Institute-Parent Interface.
- Extensive use of ICT tools in teaching-learning process.
- TIFAC-CORE in Machine Vision.
- National level awards from DRDO, BAJA SAE, NIF etc.
- A.P.J. Abdul Kalam Innovative Project Cell.
- Student-centric Processes.
- Professional Counselling Services.
- Accredited by Tata Consultancy Services & WIPRO.
- MoUs on research, academic/cultural exchange and industry interaction Career Guidance Cell.
- Entrepreneurship Development Cell.
- Value addition programs towards employment and higher studies.
- Ranked in the top 15 percentile by MHRD in the NIRF ranking among 3000+ Engineering Institutions.
- Centres of Excellence.

CHAIRMAN'S MESSAGE

In a country where education is held in very high esteem and the teacher is equated with God, we, at Rajalakshmi Engineering College, have dedicated ourselves to impart quality education and also to develop the student to be a responsible professional and individual.

Students of Rajalakshmi Engineering College are groomed carefully. The virtues of hard work, discipline and ethical practices in their profession are imbibed in them constantly during their campus life.

Campus life here stresses the importance of extra academic activities, leading them to many new avenues. All these go a long way in making our student a thoroughbred professional, eminently suited to contribute in his/her chosen career with an ever open mind for new thoughts and ideas in industrial and technological advancements.

We are confident that our students equipped with such capabilities will emerge as valuable contributory assets to the development of the organizations they serve as well as to the nation.

- S. Meganathan B.E., F.I.E.

ACCREDITATION

NATIONAL BOARD OF ACCREDITATION

The National Board of Accreditation (NBA) of AICTE has accredited the following branches after its inspection.

BRANCH

- AERONAUTICAL ENGINEERING
- AUTOMOBILE ENGINEERING
- BIOMEDICAL ENGINEERING
- COMPUTER SCIENCE & ENGINEERING
- ELECTRICAL & ELECTRONICS ENGINEERING
- MECHANICAL ENGINEERING
- BIOTECHNOLOGY
- INFORMATION TECHNOLOGY

THE NATIONAL ASSESSMENT & ACCREDITATION COUNCIL

The National Assessment & Accreditation Council has accredited the college with an 'A' grade.

APPROVAL

AICTE Approval: F.No. Southern/1-3328363940/2017/EOA

AFFILIATION

Affiliation to Anna University, Chennai:
Lr. No. 02/AFFLN/CAI/AU/2017-18/2116

ACCREDITATION BY INDUSTRIES

- TATA CONSULTANCY SERVICES
- WIPRO TECHNOLOGIES
- COLLEGE HAS BEEN RECOGNIZED AS 'CENTRE OF EXCELLENCE IN AUTOMOTIVES' BY ASHOK LEYLAND

DEVELOPMENT COUNCIL

A development council has been constituted in November 2003, consisting of eminent personalities both from academia and industry to direct the college activities. The council meets periodically at the college campus. The following are the members:

Mr. S.Meganathan
Chairman
Rajalakshmi Engineering College.
K-67, Anna Nagar East, Chennai - 600102.

Dr. (Mrs.) Thangam Meganathan
Chairperson
Rajalakshmi Engineering College.
K-67, Anna Nagar East, Chennai - 600102.

Dr. C.R. Muthukrishnan
Member
Advisor, Rajalakshmi Institutions,
Former Deputy Director, IIT-M,
Consulting Advisor, TCS
5B, Fair Home Apartments,
10/37, Dr. Ambedkar Salai, Kodambakkam,
Chennai - 600 024.

Dr. S. K. Patnaik
Director-AICTE
B2, Mars Foundations, 7/4,
Rangarajapuram 1st Street,
Saidapet, Chennai - 600 015.

Mr. K. Ramachandran
Head - Macro Initiatives & Strategy at 361
Degree Minds, No. 8, 7th Cross, Karpagam
Garden, Adyar, Chennai - 600 020.

Dr. P. Kaliraj
Director
Centre for Biotechnology,
A.C. College of Technology,
Anna University, Guindy Campus,
Chennai - 600 025.

Ms. Srimathi Shivashankar
Vice President - HCL
A-2, Sucharita apartments, 71/124,
Chamiers Road, R. A. puram,
Chennai - 600 028.

Dr. N. Ravichandran
Former Executive Director, Lucas TVS

Dr. S. Muralidharan
Chief Scientist, TCS
17, Catheral Road, Chennai - 600 086.

Dr. Shakeel Ahmed
Joint Secretary - UGC

Dr. S. N. Murugesan
Principal
Rajalakshmi Engineering College
Thandalam, Chennai - 602 105.

MEMBERS OF THE GOVERNING BODY

S.NO.	NAME	CATEGORY
1.	Mr. S. Meganathan, B.E., F.I.E.,	Chairman
2.	Dr. (Mrs.) Thangam Meganathan, M.A.,M.Phil.,Ph.D.	Member (Trust Nominee)
3.	Mr. M. Abhay Shankar, B.E., M.S.	Member (Trust Nominee)
4.	Dr. M. Haree Shankar, M.B.B.S.,M.D.	Member (Trust Nominee)
5.	Mr.K. Jayaramakrishnan, Consultant, Tata Consultancy Services	Member
6.	Prof. R. Govindarajan CAS Department of Computer Science & Automation Indian Institute of Science Bangalore – 560 012	UGC Nominee
7.	Dr. J. Sreerambabu Assistant Director (Planning) Directorate of Technical Education Chennai – 600 025	State Government Nominee
8.	Dr. M. Subbiah, B.E.,M.Sc.(Engg.),Ph.D., Professor Emeritus Department of Electrical & Electronics Engineering	Faculty member of the college
9.	Mr.T. Thamizhselvan, M.E., Assistant Professor, Department of Electrical & Electronics Engineering	Faculty member of the college
10.	Mr.R. Vijayakumar Manager, Rajalakshmi Automobile Pvt. Ltd.,	Industrialist – Management Nominee
11.	Dr. S. Rajendra Boopathy, Professor, Department of Mechanical Engineering, Anna University	Anna University Nominee
12.	Dr. S.N. Murugesan, M.E, Ph.D., Principal	Member Secretary / Ex-Officio

STAYING AHEAD ALWAYS, QUALITY IS OUR PASSION

Dr. (Mrs.) Thangam Meganathan, Chairperson

STRIVING TOWARDS EXCELLENCE

MoUs WITH FOREIGN UNIVERSITIES

- MOSCOW AVIATION INSTITUTE (MAI)
- UNIVERSITY OF REGINA, CANADA
- UNIVERSIDADE DE VIGO
- UNIVERSITY OF A CORUNA
- UNIVERSIDADE FEDERAL DE JUIZ DE FORA (BRAZIL)
- UNIVERSITY OF PARDUBICE (CZECH REPUBLIC)

RESEARCH
EXTERNAL FUNDING

AGENCY	CATEGORY SANCTIONED	AMOUNT
DST	TIFAC Core On Machine Vision	Rs. 515 Lakhs
DST	Sponsored Research – 5 Projects	Rs. 463 Lakhs
AICTE	RPS, MODROB, Seminar, FDP & Other Grants	Rs. 90.4 Lakhs
AERB	Nano Oxide H2S Sensor	Rs. 24.25 Lakhs
DRDO	Sponsored Research – 6 Projects	Rs. 250.69 Lakhs
MOEF	Tyre Pyrolysis	Rs. 17.5 Lakhs
ICMR	Thermography For Fetus Abnormality	Rs. 5.61 Lakhs
UGC	Minor Research - 25 Projects	Rs. 74.90 Lakhs
	TOTAL	Rs. 1432.85 Lakhs

INTERNAL FUNDING

DEPT.	TITLE	YEAR	SANCTIONED AMOUNT
BME	Biomedical Signal & Image Processing Lab	2011-2012	Rs. 4.2 Lakhs
AERO	High-Speed Jet Flow	2012-2013	Rs. 12.5 Lakhs
CMDF (MEMS)	Thin – Film Lab for MEMS Fabrication	2014-2015	Rs. 11.45 Lakhs
CSRC	Sponsored Research Activities Enhancements	2015-2016	Rs. 5.25 Lakhs
CEMM	Clean Room facilities	2015-2016	Rs. 50.0 Lakhs
CSRC	Research Block Augmentation	2015-2016	Rs. 100.0 Lakhs
		2016-2017	Rs. 50.0 Lakhs
	TOTAL		Rs. 203.4 Lakhs

EMINENT FACULTY

Dr. S. N. Murugesan, Principal graduated in Mechanical Engineering in the year 1990 from Thiagarajar College of Engineering and obtained Master of Engineering in Thermal Sciences in 1995 from Anna University. He pursued his Ph.D. at the Institute of Energy Studies, Anna University, Chennai. Institute for Energy Studies, Anna University from the year 2000 to 2003 in the area of Vapour Absorption Heat Transformer.

He started his career as an Associate Lecturer in Mechanical Engineering department at National Engineering College, Kovilpatti. He has served for 24 years in various colleges in India. He has also served for 4 years as head of Mechanical Engineering section and one and half years as head of Engineering department at Ibra College of Technology,Sultanate of Oman. He has published several papers in Journals and conferences. His field of specialization is thermal sciences, specifically vapour absorption systems and heat transfer.

Dr. S. N. Murugesan
Principal

Dr. M. Subbiah, Professor of Electrical & Electronics Engineering of Rajalakshmi Engineering College has a long teaching and research experience spanning over 40 years. Graduating with a B.E. in Electrical Engineering from University of Madras, he obtained his M.Sc.(Engg.) and Ph.D. degrees from the same university in 1968 and 1977 respectively. He was formerly Professor and Head of the Department of Electrical and Electronics Engineering and Dean (Administration) at National Institute of Technology, Tiruchirapalli. He has guided a number of P.G. projects and Ph.D. scholars and published over 25 research papers in National and International Journals. He has handled MHRD projects on Modernization of Laboratories in the Department of Electrical and Electronics Engineering and has also been one of the Coordinators for the World Bank Project under Technical Education Quality Improvement Programme. His area of interest includes Renewable Energy Systems, Design optimization of Electrical Machines and Power Electronic Controllers. He is a life member of Indian Society of Technical Education.

Dr. M. Subbiah

Dr. C. R. Muthukrishnan had been Consulting Advisor, TCS, Deputy Director & Director-in-charge, Dean and Professor of Computer Science & Engineering at IIT Madras in his career of 40 years He has guided 30 Research scholars for Ph.D and MS degrees, over 300 students for M.Tech and B.Tech. projects. Many of his students are holding top positions in reputed companies globally and many as entrepreneurs have created startups and developed them successfully. He has held visiting Academic and Research positions at Carnegie Mellon University and the University of California, San Diego.

He has over 40 publications in International and National Journals and conferences including IEEE and ACM. He has organized International conferences and has served in many committees of MCIT, AICTE, MHRD and DST.

Prof CRM is a consultant for many Industries in India and Abroad including Collabnet, Google and Essentia. He was chief editor of the journal Computer Science & Informatics. He was a member of the Tamil Nadu state IT Task Force 1998-2001, President of the Computer Society of India 2000-2002, Indo-French Scientific Council member 2000-2005. He has been director on the Board of Tidel Park, ECOT, Carritor and Indian Bank Limited. He is senior member of ACM, IEEE and ISTE and fellow of CSI He is a BTech (Hons) President Gold Medalist from IIT Madras, MTech and PhD (1969) from IIT Kanpur. His current areas of interest include Technical education, Web Infrastructure, Open Source Embedded/Mobile Software Development. He is a mentor for faculty members, students and former students who are entrepreneurs with startups in India and in the Silicon Valley.

Dr. C. R. Muthukrishnan

Dr. L. Sujatha, Professor in the Department of Electronics & Communication Engineering, Rajalakshmi Engineering College (REC) has 24 years of experience in teaching and research. Graduating with an A.M.I.E. in Electronics & Communication Engineering from Institution of Engineers (INDIA) in 1991, she obtained her M.E. (Applied Electronics) from Bharathiar University in 1996. She has done her Ph.D. research in the field of Micro Electro Mechanical Systems (MEMS) at Indian Institute of Technology Madras. Recently, she has also done her Post-Doctoral Fellowship at IIT Madras for the fabrication of an Optical Biosensor. She has guided a number of U.G. and P.G. projects. She has published several papers in refereed international journals, more than 25 International Conferences and given invited talks at various Universities. She had received a "Best Poster Award" for her research work presented at IWPSD, IIT Bombay and a "Best Woman Engineer" from Pondicherry Engineering College. She is the Head of the Centre for MEMS Design and Fabrication (CMDF). She has fabricated many MEMS Devices such as Micro Tweezers, Microheater, Gyroscope, Tri-axes Accelerometer and Digital Microfluidics under Community Chip fabrication Program by NPMASS. Recently, her project proposal on "Fabrication of Low-cost Micro-Fluidic Devices using Metal Embossing Technology for Lab-on-Chip Applications" has been approved for funding by DST. Her research interests are fabrication of MEMS based chemical biosensors.

Dr. L. Sujatha

Mr. K. Jayaramakrishnan is the CEO at Rajalakshmi Institutions. A veteran with over 33 year's experience in the IT industry, Mr. Jayaramakrishnan is currently the CEO of Rajalakshmi Institutions. He was with Tata Consultancy Services for 22 years holding various senior positions both in India and abroad. He also brings with him rich managerial expertise owing to his vast career in both IT and Management. Mr. Jayaramakrishnan has been affiliated with various prestigious associations and has held several key positions. He was the Chairman - Convener for the Confederation of Indian Industry (CII) Task Force on Industry- Institute - Interaction from 2004 to 2009. In 2008 he was the Chairman of Computer Society of India, Chennai Chapter. Furthermore he was a Member of the IT Task Force of the Government of Gujarat and e- Governance Standards Committee of Government of Tamil Nadu. He also held the post of Convener for the ICT Academy of Tamil Nadu (A Consortium of Govt. of India, Govt. of Tamil Nadu & CII). In 2011 Mr. Jayaramakrishnan was honoured with "Rashtriya Gaurav Award" from India International Friendship Society. In 2012 he was the recipient of "Patron Award" from CSI.

Mr. Jayaramakrishnan is a post graduate in Management with specialization in Systems and Marketing from the Bajaj Institute of Management, Mumbai.

Mr. K. Jayaramakrishnan

Prof. S. Sankar is a Mechanical Engineer from Regional Engineering College, Tiruchi where he obtained his B.E. Degree with a First class in 1971.

He then did his M.Tech. from IIT Madras and passed out with a first class in the year 1973. Subsequently he also did two-year full time course in IIM Calcutta and completed the PGDM program. After working in India for about eight years in Carborundum Universal and Lloyd Insulations, he proceeded to Muscat in Oman and joined the Bahwan Automotive Centre, part of the Saud Bahwan group, the largest automobile company in the entire Gulf. He worked there for thirteen years in various capacities in sales, marketing, product management etc and closely interacted with world renowned companies like Toyota Motor Corporation, Ford Motor Company etc. He has attended several conferences and seminars in USA, Dubai, Saudi Arabia and Bahrain and has made several presentations. After returning to India, he worked in the TVS group in Chennai for about seven years in their cars division, parts division and their corporate office. He Joined Rajalakshmi Engineering College in August 2008. He has a total industrial experience of over 30 years.

Prof. S. Sankar

Dr. Johanna Rajkumar, is a Senior Professor in the Department of Biotechnology. She is a M.Sc., Ph.D. from University of Madras. She has won several prizes including the General Proficiency the Department of Biochemistry, Post Graduate Institute of Basic Medical Sciences, Prize in School and was adjudged the best outgoing student in her M.Sc. She stood first in M.Sc. among the university departments. She was an athletic champion during her school and college days and has taught and guided several M.sc. and M.Phil. students. Her research work was mainly in the field of cancer atherosclerosis and myocardial infraction. She has filed 4 patents and has 18 publications in peer reviewed journals, and is currently guiding 6 Ph.D scholars.

Dr. Johanna Rajkumar

Dr. Natteri M Sudharsan, ASME Fellow, Professor of Mechanical Engineering Professor Sudharsan is a Mechanical Engineer by training & practice with expertise in computational heat and fluid flow. He has several years of experience in the Industry as well as in Academics. His research interests are in the area of numerical modelling with applications to bio-heat & fluid flow, FSI (aerospace and offshore), electronic packaging (MEMS) and renewable energy. As a CFD Consultant he is involved in product development of various automotive components, wind turbines and development of High Pressure and High Temperature Equipment from concept to commissioning. His clients include VALEO, WABCO, L&T IES etc. He holds an MS in Mechanical Engineering from the California State University, Sacramento, USA, Ph.D., in Computational Heat Transfer/Bio-medical Engineering from the Nanyang Technological University, Singapore and a Post-Doctoral Fellowship with the Institute of High Performance Computing, A-Star, Singapore. He has several highly cited publications in the area of "engineering in medicine" and authored/co-authored over 30 International Journals papers and conference proceedings. The American Society of Mechanical Engineers' Committee of Past Presidents has conferred the Fellow grade of membership for his outstanding engineering achievements and contribution to ASME. Currently there are 3500 Fellow Grade Members in the world. He was also awarded the NTU Alumni Service Award for the year 2014.

Dr. Natteri. M. Sudharsan

Dr. G. Thanigaiyarasu, Dean, Mechanical Sciences, Rajalakshmi Engineering College has an illustrious academic career spanning over 40 years in teaching, research and industrial consultancy in Engineering. Graduated from Government College of Technology, Coimbatore, he obtained his Post Graduate Degree in Engineering Design from College of Engineering, Guindy. He did his Doctorate in Engineering, in the field of Science of Materials at University Technology of Compiegne, CNRS France. His research work finds application in the design of helicopter turbine blades and structural component design of commercial aircrafts.

He has done extensive work in the area of design of components against Fatigue and Fracture of Materials as well as in Composite Materials. He has established a Fatigue and Fracture Laboratory using DST funding of Rs. 1.11 Crores. He has also contributed a lot in the design of nuclear components, space technology, combat vehicles and automobile components.

He was a member of several prestigious academic bodies such as Syndicate Committee of IIITD&M and Research Board of Ramachandra University. He has held a number of positions at Anna University such as Head of Mechanical Engineering, Member of Academic Council, Board of Studies and Director of Technology Development and Transfer. He has guided 10 Ph.Ds and one MS scholar in the Faculty of Mechanical Engineering and has guided more than 100 Master's degree thesis and undergraduate project work to his credit. He has published 16 papers in International Journals and 25 papers in National Journals/

Dr. G. Thanigaiyarasu

COURSES OFFERED

UNDER GRADUATE COURSES OFFERED

B.E. AERONAUTICAL ENGINEERING

B.E. AUTOMOBILE ENGINEERING

B.E. BIO-MEDICAL ENGINEERING

B.E. CIVIL ENGINEERING

B.E. COMPUTER SCIENCE & ENGINEERING

B.E. ELECTRONICS & COMMUNICATION ENGINEERING

B.E. ELECTRICAL & ELECTRONICS ENGINEERING

B.E. MECHANICAL ENGINEERING

B.E. MECHATRONICS ENGINEERING

B.Tech. BIO TECHNOLOGY

B.Tech. CHEMICAL ENGINEERING

B.Tech. FOOD TECHNOLOGY

B.Tech. INFORMATION TECHNOLOGY

POST GRADUATE COURSES OFFERED

M.E. AVIONICS

M.E. ENGINEERING DESIGN

M.E. COMMUNICATION SYSTEM

M.E. COMPUTER SCIENCE & ENGINEERING

M.E. SOFTWARE ENGINEERING

M.E. MEDICAL ELECTRONICS

M.E. EMBEDDED SYSTEM TECHNOLOGIES

M.TECH BIO-TECHNOLOGY

MASTER OF BUSINESS ADMINISTRATION

RESEARCH PROGRAMS

M.S. COMPUTER SCIENCE & ENGINEERING

M.S. ELECTRONICS & COMMUNICATION ENGINEERING

M.S . ELECTRICAL & ELECTRONICS ENGINEERING

M.S. MECHANICAL ENGINEERING

M.S. BIO-MEDICAL ENGINEERING

M.S. BIO-TECHNOLOGY

M.S. INFORMATION TECHNOLOGY

Ph.D. COMPUTER SCIENCE & ENGINEERING

Ph.D. ELECTRONICS & COMMUNICATION ENGINEERING

Ph.D. ELECTRICAL & ELECTRONICS ENGINEERING

Ph.D. MECHANICAL ENGINEERING

Ph.D. BIO-MEDICAL ENGINEERING

Ph.D. BIO-TECHNOLOGY

Ph.D. INFORMATION TECHNOLOGY

Ph.D. CHEMISTRY

Ph.D. MATHEMATICS

DEPARTMENT OF AERONAUTICAL ENGINEERING

Dr. Yogesh Kumar Sinha, Professor and Head, Department of Aeronautical Engineering has 18 years of teaching experience and 2 years of industrial experience. He received his M.E from MIT, Anna University and obtained Ph.D from Anna University in the area of research being Solid fuels for Aerospace applications. He has a number of publications in journals and conferences. He is also a reviewer of many international Journals. He is currently a life member of the Aeronautical Society of India.

DEPARTMENT OF AUTOMOBILE ENGINEERING

Dr. K. Bhaskar, Professor and Head, Department of Automobile Engineering, has 20 years of experience in teaching and research and one year of experience in industry. He obtained his undergraduate degree from Madras University in 1997. He received his M.S (By Research) in the field of Internal Combustion Engines from Anna University in 2002 and obtained his Ph.D from Anna University in 2014 in the area of HCCI engine with alternative fuels. He has published 84 research papers including 34 Scopus indexed international journal publications. He is a reviewer for many peer reviewed international journals. His biography is included in the Marquis Who's Who in the World 2015 & 2016 based on his research publications. He has co-authored books titled "Engineering Mechanics" and "Engineering Drawing" to his credit. He also published Book Chapter on Bio Fuels in Handbook of Environmental Materials Management by Springer, 2018. He has delivered many special lectures and practical training sessions to employees of Automotive Industries. He is an active member of Society of Automotive Engineers (SAE). His area of interests include engine combustion, alternative fuels and emission control.

DEPARTMENT OF BIO-MEDICAL ENGINEERING

Dr.S.Rajkumar heading Biomedical Department is having nearly two decades of academic and administrative experience in various engineering colleges. After graduating in ECE from University of Madras, he completed his Masters in Medical Electronics and subsequently the doctoral degree from College of Engineering, Anna University, Chennai. He is also having nine years of industrial experience in the Research & Development.

DEPARTMENT OF BIOTECHNOLOGY

Dr. R. Jayasree, Professor and Head, Department of Biotechnology has obtained her Masters Degree in Biochemistry from University of Madras in 1995, M.Phil from Bharathidasan University and Ph.D. in Medical Biochemistry from Dr. M.G.R. University and Research Centre. She joined the Department of Biotechnology in 2008 and has an academic experience of 20 years. She has many national and international publications to her credit. She has presented many papers in both international and national conferences. She is a life member of various professional societies of India . She is a reviewer of reputed journals and is also a research guide. Her current areas of research is medical biochemistry and molecular technology.
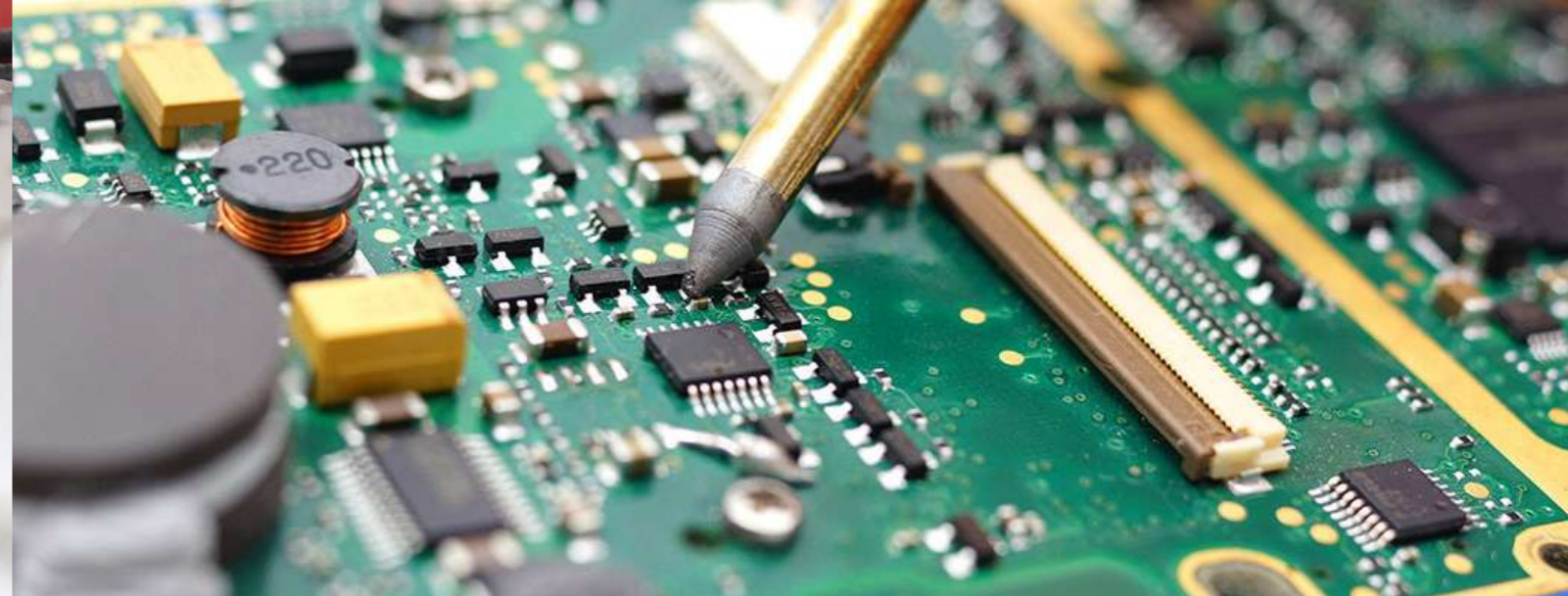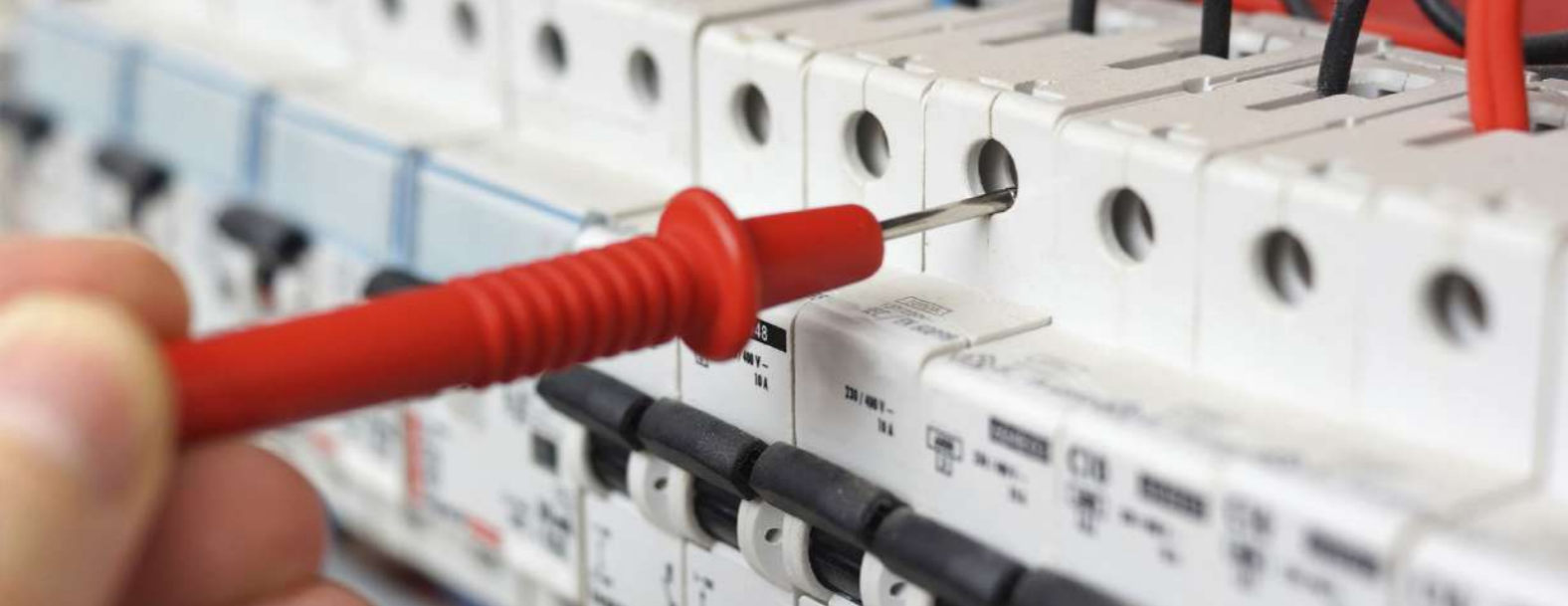
DEPARTMENT OF CHEMICAL ENGINEERING

Dr. K. Nagarajan, Associate Professor is currently heading the Department of Chemical Engineering, Rajalakshmi Engineering College. He is a doctorate from IIT Madras in the area of multiphase flow. His graduation is from Adhiyamaan College of Engineering, Hosur (Madras University) and post graduation is from SIT, Tumkur (VTU Belgaum - University rank). He has totally about 8 years of teaching and 6 years of research experience. He has more than 10 publications in international journals and conferences to his credit. His area of research is hydrodynamics and mass transfer in multiphase system applied to environmental engineering and bioprocess engineering.

DEPARTMENT OF CIVIL ENGINEERING

Dr. M. Selvakumar, Professor and Head of the Department of Civil Engineering has 20 years of teaching experience. He obtained his Ph.D. in Environmental Engineering from Anna University and has specialized in Air Quality modeling. He has published many research papers in refereed International Journals and International conferences out of which he has won the best paper award twice. He has executed a research project funded by DRDO (DMSRDE), Kanpur for 10 lakhs and is currently carrying out a research project funded by DRDO-NRB for 20 lakhs. His area of research includes Water and Wastewater treatment, Air quality modeling and Innovative materials for Construction. He has submitted research proposals to various funding agencies. He is member of syllabus framing committee of Anna University and is a member of various professional bodies.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Dr. P. Kumar, Professor and Head, Department of Computer Science and Engineering has been with Rajalakshmi Engineering College since June 1998. He received his B.E (CSE) from Annamalai University in 1996. After his postgraduation, he pursued his Doctoral Research in Anna University, Chennai by registering with the Research Centre of Rajalakshmi Engineering College. He obtained his Ph.D. in January 2016. He has published 14 publications in International Journals to his credit. He has guided many UG and PG projects and one of his project have won Best Project in IBM TGMC. He has also published a book on Computer Programming. He is a Life Member of Computer Society of India and also served as Chairman of CSI Chennai Chapter during 2013 - 14.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Dr. M. Palanivelan is currently working as an Professor & Head, Department of ECE, Rajalakshmi Engineering College, Chennai. He received his Masters Degree from College of Engineering, Guindy, Anna University in 2001 and completed Ph.D. in the same university in 2015. He has 20 years of teaching experience and his research interests include Wireless communications, Information and coding theory, Optical Networks and Multiple antenna wireless communication systems. He is presently guiding six Ph.D. Scholars under Anna University, Chennai. He has published many research papers in International journals and Conferences. He is also an active reviewer for several International Journals. He is also a Senior Member of IEEE and also holds professional membership in ACM and Life Member in ISTE.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Dr. M.G.Umamaheswari, Professor & Head, Department of Electrical and Electronics Engineering has obtained her undergraduate degree in Instrumentation and Control Engineering from Government College of Technology, Coimbatore and her post graduate degree in Electrical Drives and Embedded Control and doctoral degree in the area of power quality from College of Engineering, Anna University, Chennai. With a teaching and research experience of more than sixteen years, she has presented more than 25 papers in national and international conferences and has published papers in high impact factor international journals like IET Power Electronics, IET Circuits, Devices and Systems, Electric Power System Research (Elsevier Publications), Journal of Computational Electronics (Springer Publications) and Journal of Circuits, Systems and Computers. She is a recognized Supervisor for Doctoral degree program under faculty of Electrical Engineering at Anna University and she is guiding six Ph.D. scholars. She is a reviewer of the many reputed International Journals. She is a life member of professional bodies like IEEE, ISOI and ISTE. Her research area of interest includes power quality enhancement using power converters, application of linear and nonlinear controllers to renewable power fed converters.

DEPARTMENT OF INFORMATION TECHNOLOGY

Dr.S.Poonkuzhali, Professor and Head, Department of Information Technology has been with Rajalakshmi Engineering College since August 2000. She graduated in B.E. Computer Science & Engineering from the University of Madras in 1998. After her post graduation, She successfully completed her Ph.D. in April 2012 from Anna University. Her area of specialization is Web Mining, Outlier mining Information Retrieval and Big Data Analytics. She has delivered invited talks, authored 6 text books, presented 25 papers in International conferences and published more than 20 papers in International Journals. She has received 4 best paper awards, International Paper Presenter Award from CSI and grants from CSIR, DST, CICS for presenting papers in International conferences. International Paper Presenter Award from Computer Society of India. Received Grants from CSIR, DST, CICS for presenting papers in International conference for oral presentation. She has visited 7 countries for presenting papers and chairing sessionsand she is also a reviewer for various refereed journals. Currently, she is holding four proposals from DST, AICTE and CSI. She is the principal investigator for the project proposals "Interactive Teaching Aids for Autistic Children" from DST, Efficient Prediction and Monitoring Tool for Diabetics Patients using Data Mining and Smart Phone Systems" from AICTE and "Efficient Classifier for Detecting Spam in Social Networks Through Feature Relevance Analysis" from CSI. She is the co-coordinator for Aakash project for REC. She is a lifetime member time Member in ISTE, CSI, IAENG and IACSIT.

DEPARTMENT OF MECHANICAL ENGINEERING

Dr. S. P. Srinivasan is presently working as a Professor & Head in the Department of Mechanical Engineering at the Rajalakshmi Engineering College, Chennai. He obtained his B.E. degree in Production Engineering from Madras University in 1997. He got his Masters degree M.E. in Industrial Engineering from the College of Engineering, Guindy, Anna University, Chennai in January 2000.He received his Ph.D. degree from the same university in 2011 from the faculty of Mechanical Engineering with specialisation in Industrial Engineering.

He has been engaged in teaching, research and consultancy. He has published a number of research papers in International journals and presented many papers in various International conferences. He has extensively travelled and presented seminars in leading technical institutions in India and abroad.

He has taught subjects like Engineering Mechanics, Engineering Graphics, Engineering Materials & Metallurgy, Production Planning & Control, Total Quality Management, Industrial Robotics, Facility Planning & Layout Design, Quality & Reliability Engineering etc.,. His current research interest is towards agriculture supply chain management with application in the field of alternative fuels, Transportation and logistics, production management, decision support system, optimization techniques.

He has also been the Chief Superintendent at Rajalakshmi Engineering College for Anna University exams and currectly he is the Controller of Examinations for REC-Autonomous. He has successfully implemented 5S & Kaizen concepts in the Department of Mechanical Engineering and also extended it to the entire campus at Rajalakshmi Engineering College. He is also a executive council member of Chinmaya mission, Chennai. He is a life member of various professional bodies including ISTE, IIIE, IAENG, NIQR, ASME & IACSIT.

DEPARTMENT OF MECHATRONICS ENGINEERING

Dr. V. Santhanam has done his B.E degree in Mechanical Engineering at Thanthai Periyar Government Institute of Technology in the year 2000. He obtained his post graduate degree in Computer Aided in Design (CAD) through Madras University in 2003. He completed his Doctorate Degree at Sathyabama University in 2015.

He has published more than 14 research papers in various National, International Journals and Conferences. His areas of interest include Engineering Design, Finite Element Analysis and Composites.He served as coordinator for Anna University sponsored Faculty Development Training Programmes on Finite Element Analysis, Engineering Material and Metallurgy, Design of Machine Elements and Engineering Mechanics. Apart from this, he served as a coordinator for ISTE sponsored FDP on Engineering Mechanics. Also he had given guest lectures at several Faculty Development Programmes. He had been actively involved in completion of two consultancy projects which required design and analysis skills.

He has a total teaching experience of more than 16 years. He worked as lecturer in Vel Tech Engineering College, Chennai for two years and Sri Nandhanam College of Engineering and Technology for two years. He is currently heading the Department of Mechatronics Engineering at Rajalakshmi Engineering College.

DEPARTMENT OF HUMANITIES AND SCIENCES

Dr. M. Muthusamy, Professor & Head, Department of Humanities and Sciences obtained M.Sc Degree in 1989 and M.Phil. Degree in 1990 from the University of Madras. He received his Ph.D. from SCSVMV University, Kanchipuram in 2014, working in the field of Graph Theory. He has published several papers in the International Journals. Dr. M. Muthusamy has got more than 25 years of experience in teaching and Research. He has been with Rajalakshmi Engineering College since 2001.

DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

Dr.K.R.Sowmya is Professor & Head, Management Studies, Rajalakshmi Engineering College, Chennai. In addition to having around 17 years of experience in Teaching, Research, Industry, and consultancy, she has to her credit 5 International publications in form of monographs & edited volumes, more than 50 publications in National , International Journals and Proceedings. She has presented papers in more than 50 national and international conferences, workshops and seminars across countries. She has represented REC in various reputed institutions in USA, Singapore and Srilanka as key note speaker. She is the Editor of the International Journal on Global Business Management and Research, a member in various Professional Bodies and reviewer in reputed National & International Journals. Her speciality is in Organizational Behaviour & Human Resource Management. She is the proud recipient of "Outstanding faculty in management" in VIFA awards 2017 at the 3rd Contemporary Academic Meet 2017.

COURSES

AERONAUTICAL ENGINEERING

VISION

To provide excellent graduate education in Aeronautical Engineering and continuously support the community of aerospace professionals that will spearhead and strengthen the design and development of aerospace related industries and institutions in India.

MISSION

- To impart quality exposure in theory and practical with proficiency, skill and humane values with the best of teaching and industrial expertise.

- To continuously strengthen the laboratory learning of students in tune with the best industry processes and practices.

- To ensure the updated knowledge and skill sets of students in emerging technologies.

- To provide the students the right ambiance and opportunities to develop into creative, talented and globally competent Aero professionals.

- To promote research and development activities in the sphere of aeronautics for the benefit of the society.

The Department was started in 2005. It offers a under graduate course (4 years) in Aeronautical Engineering in full time mode with a yearly intake of 60 students. Admission to the programme is through the 10+2 marks based counselling which is being conducted by the Anna University. Over the years, admission to our programme in Rajalakshmi Engineering College has been the first choice (among private institutions) for Aeronautical Engineering aspirants of the state. The goal of the Department of Aeronautical Engineering is to prepare the graduates to have knowledge of aerodynamics, aerospace materials, structures, propulsion, flight mechanics, and unmanned air vehicle.

AERONAUTICAL ENGINEERING

B.E. AERONAUTICAL ENGINEERING

The Department of Aeronautical Engineering started functioning in the year 2005-06.The department has well equipped laboratory facilities and faculty members to prepare the students to meet future requirement in the field of aviation. The department is making great efforts in imparting knowledge and skill to meet the aircraft industry expectations.

LABORATORY FACILITIES

To meet the curriculum requirements, the following laboratory facilities are available in the department.

SL.NO	NAME OF THE LABORATORY
1.	Aircraft Structures Lab I & I
2.	Aerodynamics Lab
3.	Propulsion Lab
4.	CAD/CAM/ Simulation Lab
5.	Aero Engine repair Lab
6.	Airframe Lab
7.	Flight Integration Systems & Control Lab
8.	Aircraft System Lab
9.	Simulation Lab & Aero Modeling

In addition to the above mentioned laboratory facilities, additional research labs were are also made part of the department facilities to initiate research interest in students.

- Supersonic Jet facility.
- Hybrid Rocket Motor.
- Composites Fabrication and testing facilities.
- A computational fluid dynamics and structural analysis laboratory with standard software has been established.

JOBS ARENA:

Career opportunities for the course exist in the design, manufacture, maintenance of aircraft and technical publication. Specific nature of job includes design, drafting, FEA, CFD and manufacturing. Openings may also be found in the many companies involved in designing and manufacturing major sub-units of aircraft such as engines, structural parts, avionics or environmental control systems. In India Aeronautical engineers are mostly employed by HAL, NAL, DRDO, ADA, ADE, GTRE, ISRO, Airbus, Boeing, BrahMos Aerospace Limited and similar organizations. With on job training in the flying clubs or airline you can also write the DGCA license examinations to qualify as a maintenance engineer. Aeronautical engineers are also preferred by software industries to work in their engineering service divisions like design, development and analysis. Many service industries like Capgemini, UTC Aerospace Systems, GGS and similar organizations are offering Aeronautical Technical Publication Jobs.

SCOPE OF HIGHER EDUCATION:

Graduates may consider going on to higher studies or Ph.D programme in India or abroad.

INDUSTRY INSTITUTE INTERACTION CELL:

We regularly interact with scientists and engineers from HAL, NAL, ADA, GTRE, IITM, Anna University, Mahindra Satyam, ISRO, General Electric, Airline, TAAL, IGCAR for guest lectures, project work, in plant training, series of lectures on special upcoming topics.

INTERNSHIP:

Our students are encouraged to take internships at various facilities around the country. Some of the R&D institutions, where our students underwent internship programs are General Electric, Research labs at IITM, HAL, Air India, Jet Airways, TAAL etc.

IN-PLANT TRAINING:

In plant training programs are made part of every semester to enhance the learning experience of students. Some of the training programs organized are flight training program at IIT Kanpur, Non Destructive Testing at IGCAR - Kalpakkam, Multi Skill Program at Advanced Training Institute – Guindy.

FUNDED RESEARCH PROJECTS:

The following are the funded projectscarried out in the department.

- Study of Supersonic Jet Characteristics
- Acoustic measurements of High-speed jets

ALUMNI SPEAK

"Every educational institution has the one point agenda of getting their students into top ranks to get more students next year.

But REC and my Department of Aeronautical was always exceptional, they expected performance but they valued our thoughts, our innovation and had ears to listen to our ideas, problems and had solutions to them as well.

Every staff are well qualified and know what they speak. They support, motivate and guide us until we succeed. Aeronautics needs practical knowledge and this place has better of it than anyone at the moment.

I would proudly tell anyone that I am a REC product and they are part of my success and where I stand today."

SUDARSHAN MURTHY. K
(Flt-Ops - MAA), INDIGO Airlines
IGA-8489

I am glad to call myself as an alumnus of REC and happy to be part of REC's First Aero batch (2005-2009). The four years of study with Aeronautical department provided me with the right platform in setting up a carrer in the aerospace field. The motivation and guidance from the faculty always helped me in the pursuit of career. My sincere wishes for the department to reach the next level in the imparting education in the field of Aeronautics.

Anand Sankar R.
Aeronautical (2005-2009).
Scientist 'C' ARD & P Dte.
ADA-Bangalore.

Graduating from the department of aeronautical engineering is definitely a rewarding experience and a significant chapter in my life. I acquired a strong fundamental knowledge through my curriculum in my undergraduate studies, one which allowed me to compete with students from across the world in my graduate studies at Purdue University. The faculty members' vast knowledge and experience ensured that every student is provided with a concrete foundation on valuable engineering skills from basics of engineering to advanced concepts in Aeronautical Engineering. They are supportive of free and original thinking and ensure students get a conducive environment for professional and personal growth. The department emphasizes on research at an undergraduate level, an essential requirement for being a technical leader in the industry. The extensive lab facilities gave me an opportunity to physically test the concepts learned in class which strengthened my understanding of the subject. The department also encouraged and assisted me to take up internships during my long vacation. This served as a bridge between classroom learning and industry. I got a well rounded education thanks to the numerous opportunities to participate in co-curricular activities like presenting papers, participating in aerobased quizzes, conferences, seminar and conducting similar events in our college. Friendly peers and senior undergraduates kept me motivated to perform better and molded me both professionally and personally. Extra-curricular activities were given great emphasis during my time at college. Nostalgia brings back great memories from my days during my undergraduate course and I strongly recommend you to join the course for a truly enriching experience.

Venkat Athmanathan
(2011 Batch)
Graduate Research
Assistant
Purdue University

Rajalakshmi Engineering College is undoubtedly a peerless institution. Anyone who is enthusiastic about pursuing a degree in Aeronautics will be lifted to great heights by an optimum thrust provided by potent lecturers and efficient laboratories.

The best place to experience the robust, niche field of science and the art of flying. I was very fortunate having experienced the beautiful life under one roof.

This particular course in REC gave me confidence, insatiable desire to acquire more knowledge about its technology. Whenever I think of my department, the first thing that comes to my mind is its ever green ambience.

The important things that I have learned and the blessings equipped me to attain greater heights. This field is illimitable it keeps me propelling.

Vasanth D (200814050)
B.E. Aero (2008-2012)
Project Fellow, CTFD Division,
National Aerospace Laboratories,
Bangalore.

The Aeronautical Dept. of REC is one of the best in the State. It has a blend of brilliant faculty members, excellent infrastructure and a sound learning ambiance. REC not only helps you to get a degree, it also teaches you to have an enhanced engineering skill, thinking and confidence to face a challenging industry.

Aircraft Design & Aircraft Structures are the subjects that I was very interested, we received professional coaching from experts with real industrial experience .They also guided us during our participation in various technical events such as 'NASA -2009-10 Challenge in Subsonic Rotor-craft', inter college symposium etc.. I was also provided a chance to work on a project with Research scientists in SERC, CSIR.
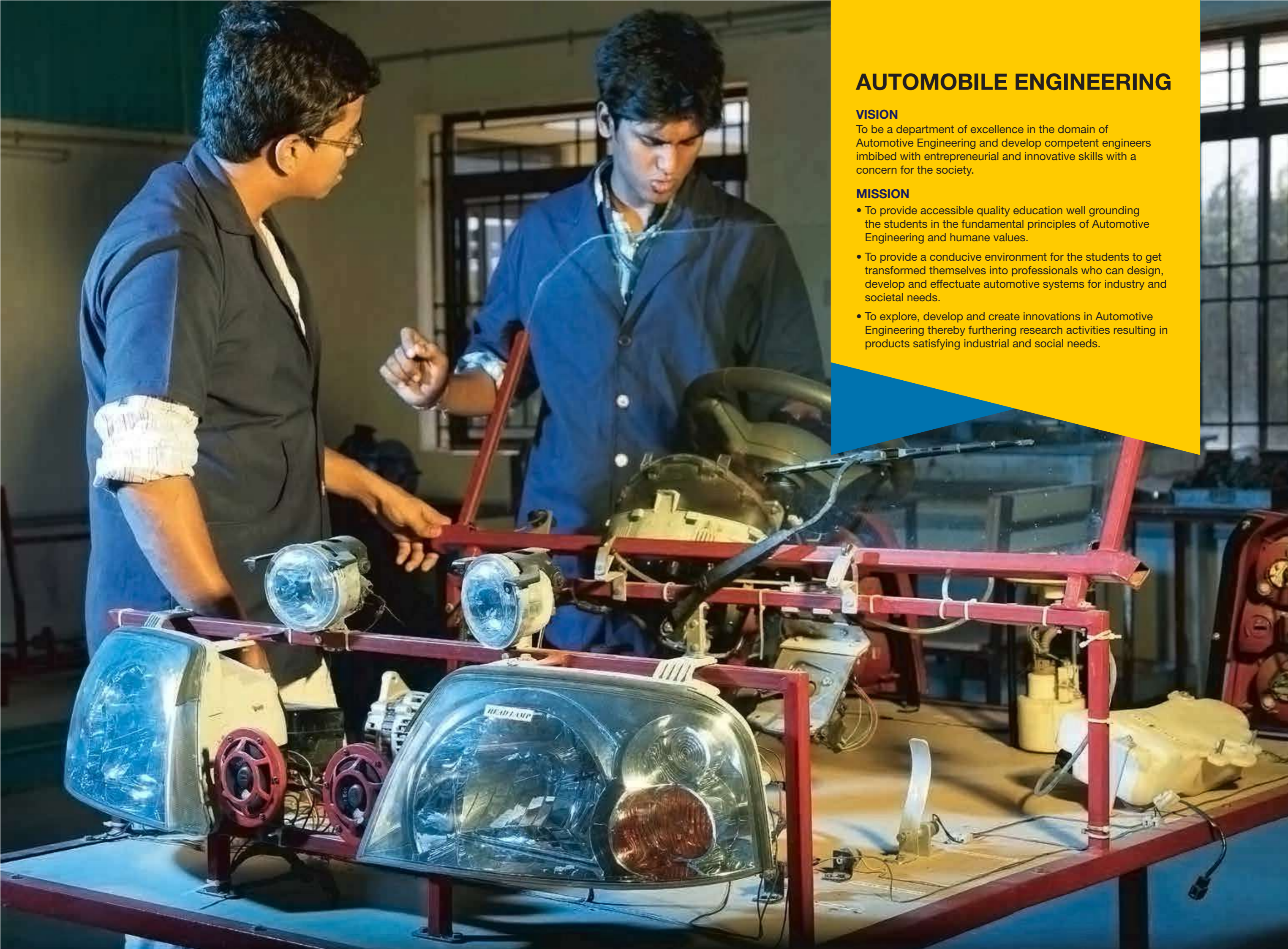
I thoroughly enjoyed the REC experience and will cherish not only the knowledge I gained but also the friendships that I made, for my entire life.

I am happy to say that "I owe REC for what I am today."

Veeraragavan K, 2007-11
BE Aeronautical Engg.
Present: Air Safety Officer
Civil Aviation Department (DGCA)
Govt. of India

The experience of my REC days are unforgettable. I think it is so tangible indeed. To be disciplined and to be enlightened, I could not think of any place else. The authority with the responsibility that my department bestowed upon me to explore around my area of interest is what made me who I am now. I am grateful to that eternally. The healthy competitions among my colleagues were wonderful during my days, which made us so close and to run competitive even now, with thorough exchange of knowledge between us everday. You cannot find it anywhere else. Our department set such a platform, so that people could be given with an ample and equal amount of opportunity to exercise their career. The nurturing and active relationships between students and Professors are properly balanced personally and professionally. That is one main reason why I find my department so close to my heart and home. By spreading wings, tagged with the shining symbol of prestige, I want to say that I am so proud of my alma-mater.

S. K. KARTHICK
M. E., Ph. D.,R esearch Student
Laboratory for Hypersonics and
Shock wave Research (LHSR)
Department of Aerospace Engineering
Indian Institute of Science (IISc)
Bangalore, India - 560012

AUTOMOBILE ENGINEERING

VISION

To be a department of excellence in the domain of Automotive Engineering and develop competent engineers imbided with entrepreneurial and innovative skills with a concern for the society.

MISSION

- To provide accessible quality education well grounding the students in the fundamental principles of Automotive Engineering and humane values.

- To provide a conducive environment for the students to get transformed themselves into professionals who can design, develop and effectuate automotive systems for industry and societal needs.

- To explore, develop and create innovations in Automotive Engineering thereby furthering research activities resulting in products satisfying industrial and social needs.

B.E. AUTOMOBILE ENGINEERING

The Department of Automobile Engineering was started in the academic year 2006- 07 with a sanctioned intake of 60 students. The department has dedicated and well qualified faculty members. The department follows the syllabus of the Anna University and to supplement the syllabus, guest lectures and Industrial visits are organized. The Department has produced 29 University ranks in the first seven batches including FOUR GOLD MEDALS.

We impart knowledge to design vehicles with lesser pollution and better safety standards. We also facilitate knowledge transfer on building hybrid vehicles and to use alternative sources of energy. The department has been accredited by the National Board of Accreditation (NBA) Students participate in National level competitions like SAE BAJA, QUAD BIKE, E-Bike and more which give them practical exposure and hands on experience in designing and fabricating special purpose vehicles.

JOBS ARENA

Automobile engineers have excellent job opportunities in various fields like process of designing, developing, production, research and development, automobile service, maintenance and transport departments. The students who complete the course successfully can join modern automobile industries like Ashok Leyland, TVS Motor Company, TAFE, Ford, Hyundai, Volvo, BMW, BOSCH, Maruti Suzuki, Telco, etc. In addition, they have the option of being employed in computer science related industries too.

SCOPE FOR HIGHER EDUCATION

They have opportunities for higher studies in India and abroad in specialized areas. In addition to the regular curriculum, content beyond syllabus is being delivered by the faculty in each course. The department also encourages various curricular and co-curricular activities. This enables the student to recognize advanced research topics and gear up for taking up higher studies in automotive and allied domains in various top universities in Germany, United States, England, Netherlands, France, Singapore and in many reputed national institutions in our country.
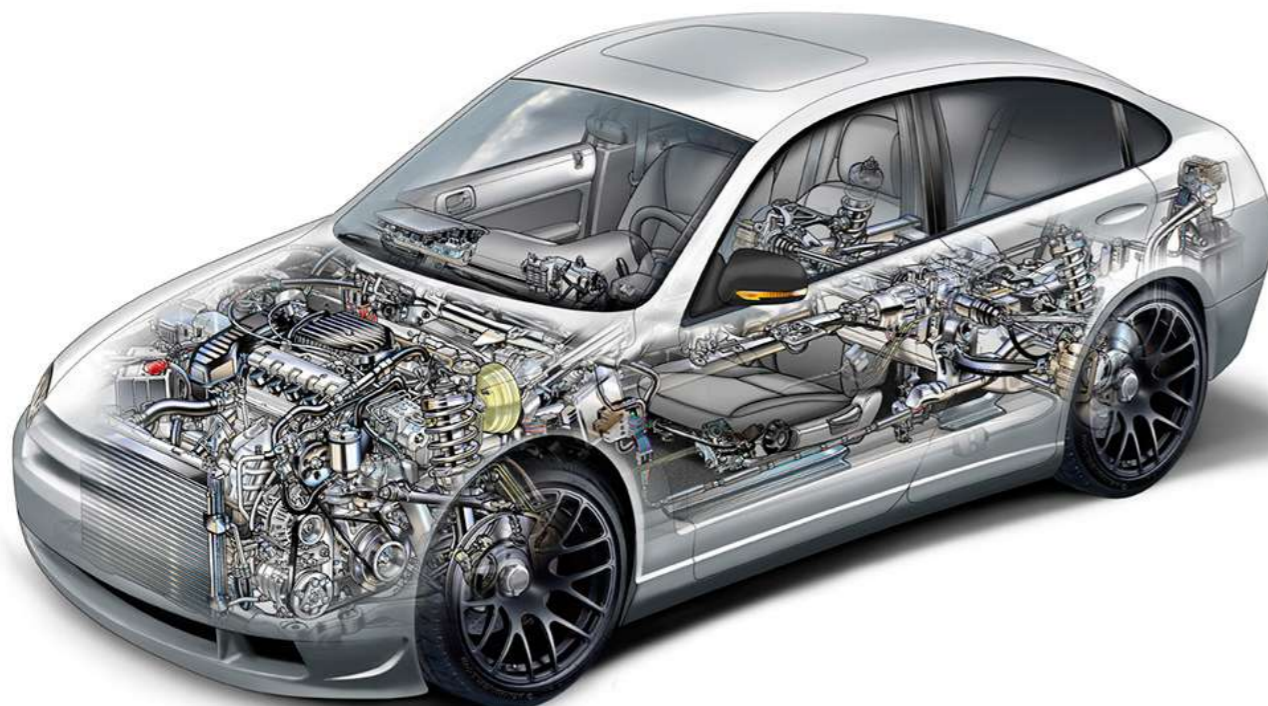
EVENTS & CONFERENCES

The Department organizes Workshops, Seminars, Conferences and Symposia regularly to provide learning platforms for faculty and students to explore and share knowledge in the latest fields in Automobile Engineering. AICTE has sanctioned more than Rs. 5 Lakhs so far for conducting Faculty Development Programmes, Workshops and Seminars.

GUEST LECTURES:

Eminent speakers from industries and academic institutions address the students on current topics in automotive fields to enhance the knowledge of students:

INDUSTRY EXPERTS:	ACADEMIC EXPERTS:
Dr. R. Mahadevan, Group Technology Director, India Pistons Limited	Dr. V. Ganesan, Professor, Mechanical Engineering IIT, Chennai.
Dr. N. Ravichandran, Executive Director, Lucas – TVS.	Dr. A. Ramesh, Professor, Mechanical Engineering IIT, Chennai.
Mr. A.Selvamani, Senior Vice President, R&D, Wabco TVS.	Dr. G. Nagarajan, Professor, Mechanical Engineering, Anna University
Mr. S. Ramachandran, Executive Director, Super Auto Forge, Chennai.	Dr. R. Velraj, Professor, Mechanical Engineering, Anna University
Mr. S. Sriraman, Vice President–R&D, TAFE, Chennai.	Dr. G. Devaradjane, Professor, Automobile Engineering, MIT, Anna University

INDUSTRY INSTITUTE INTERACTION

Department is having continuous interaction with leading automotive industries for enhancing teaching learning process which has resulted in the contribution of the following automotive systems to our department:

M/s. HYUNDAI Motor Company	SANTRO CAR and SANTRO MPFI Engine
M/s. Delphi TVS	Four Automotive four cylinder engines
M/s. TVS Motor company, Hosur,	Two TVS Star city Engines
M/s. India Pistons Ltd, Sembium	Pistons of various Engines
M/s. Turbo Power Engineers	Two Turbochargers and Power Steering Gear Box

The laboratory facilities of our department have been utilized to train women employees of M/s. Mando India Ltd leading to a certification program approved by goverement on India - Ministry of MSME, Chennai.

IN-PLANT TRAINING

Ashok Leyland	TVS Sundaram motors	Komatsu India Pvt Ltd
Mercedes Benz	UCAL Fuel Systems Ltd	Hydromet (India) Ltd
Chennai Ford	Metropolitan Transport corporation	Tube Products of India
MPL Ford	National Aerospace Laboratories	Asahi India Glass Ltd
Mando India	Rajalakshmi Automobiles	WARTSILA

INDUSTRIAL VISITS

Ashok Leyland	Wheels India Pvt Ltd	Volvo Constructions Equipment Pvt Ltd
TAFE India	Hyundai India Pvt Ltd	Nammakkal Transport Corporation Pvt Ltd
Wabco TVS	TVS Motors Pvt Ltd	Madras Engineering Industries Pvt Ltd
Simpson	India Piston rings	Integral Coach Factory (ICF)
CVRDE	Fenner India Ltd	Mando India

PRIZES / AWARDS

Our Department received "Teaching Awards in Engineering" by Staffordshire University, UK and Education Matters for the year 2013-2014 for maintaining academic excellence. The Department has Produced University 29th Ranks in the first Seven batches.

2010 : First Batch secured Gold Medal (Mr. M. Lakshmi Narayanan) and 8th Rank

2011 : Second Batch secured Gold Medal (Mr. R. Arun) and 2rd and 3rd Rank

2012 : Third Batch secured 7th and 8th Ranks

2013 : Fourth Batch secured Gold Medal (Mr. D. Praveen) and 2nd, 4th, 6th, 8th and 9th Rank

2014 : Fifth Batch secured 2nd, 7th and 10th Rank

2015 : Sixth Batch secured Gold Medal (Mr. R. Aswin) and 10th,14th, 23th, 24th, 28th, 31st and 32nd Rank

2016 : Seven Batch secured 3rd, 4th, 19th, 31st and 32nd Rank

ALUMNI SPEAK

Department is having good alumni interactions. They actively contribute to the growth of the Department. They share their professional experience and motivate our students by giving guest lectures.

S. Chockkalingam (2007-2011)
Technical lead, TATA Consultancy Services Ltd., Chennai

- Our department faculty members are experienced and subject experts.
- Our faculty team have industry exposure and practical experience on vehicles.
- Department doesn't focus only on syllabus oriented teaching, they also plan and execute multiple trainings along with other industries to provide hands on experience to us.
- Good lab facilities.
- I have gained good technical knowledge which helped me to perform well in the industry.

VIGNESH MOHAN (2010 – 2014)
Delphi-TVS Diesel Systems Limited, Mannur

- Practical knowledge is imparted to students which helped me to apply the knowledge in the work place.
- Dedicated Bosch joint certification training was provided to us which helped me to understand latest technologies.
- Very cooperative faculty who supported us all through our career without whom the placement records of our batch wouldn't have been possible.

FACILITIES IN THE DEPARTMENT

Automobile Components Lab	Engine Performance & Emission Testing Lab
Two and Three Wheeler Lab	Automobile Electrical and Electronics Lab
Vehicle Maintenance Lab	BOSCH REC Joint certification Centre
Fuels and Lubrication Lab	CAD/CAM Lab

PUBLICATIONS

Publications in	By Faculty	By Students
International Journals	104	24
International Conference	39	40
National Conference/Symposia	24	30

MEMBERSHIP IN PROFESSIONAL BODIES	
	SAE
	IEI (India)
	ISTE
	IIPE
	AAE

MoUs SIGNED WITH INDUSTRY

MoU has been signed with M/s. BOSCH Limited for BOSCH-REC Joint Certification Training Centre and it was inaugurated on 07.03.2013. Extensive training is being imparted to Automobile and Mechanical Engineering students in Automotive diesel fuel injection system, Automotive electrical system, Automotive air-conditioning system and Automotive Engine and vehicle diagnosis.

KRISHNAMOORTHY B
(2008 - 2012)
Renault Nissan Technology
and Business Centre India
Mahindra city

- Our department was instrumental in imparting knowledge to us which is helping in our professional career.
- All the staffs in our department are well experienced.
- They were always so supportive in our academic fields and also encourage co-curricular and extra-curricular activities.

Arun Kumar C. K
(2008 - 2012)
L&T Integrated Engineering
Services, Nandambakkam,
Chennai - 600089

- The Automobile Department of REC is one of the best compared to other Colleges.
- The faculty of the department are committed to impart knowledge and also act like a mentor.
- The Department is creating quality Automobile Engineers to cater the needs of Industry and will continue the same in the near future. I am very grateful and thankful to Department.

BIOMEDICAL ENGINEERING

VISION

To create a center of academic excellence in the field of Biomedical engineering through innovative research contributions and industrial oriented teaching and training for betterment in healthcare.

MISSION

To motivate faculty members and students to explore their creativity to develop innovative products by utilizing modern technologies to serve the society.

To inculcate the industrial need of the biomedical engineers among the students through relevant training and value added courses.

To produce technically intense engineers by practicing innovative teaching methodologies.

B.E. BIOMEDICAL ENGINEERING

The Department of Biomedical Engineering established in the year 2006 offers UG in Biomedical Engineering and PG in Medical Electronics. This department is accredited by National Board of Accreditation, New Delhi and also recognized as 'Research Center' by Anna University, Chennai. Biomedical Engineering is the application of Engineering concepts and techniques to the field of Medicine. It combines the problem solving capability of engineers with the medical expertise of physicians to enhance the quality of life through health care processes. Our members of the faculty have expertise in Bio signal and medical image processing, Rehabilitation engineering and biomedical instrumentation. The department has signed MoUs with industries and research organizations for faculty training, students training and placement. Faculty members are encouraged collaborative research with experts in Government/private organizations and publishing papers in reputed peer reviewed international journals and conferences. Visits to hospitals, Equipment manufacturing & maintenance, Industries and Research Centers form part of our core curriculum, to help the students get thorough knowledge in these areas. Industrial training and Project training are arranged for all students to develop their practical knowledge.

PRIZES / AWARDS
UNIVERSITY RANK HOLDERS LIST

Name of the student	Batch	Anna University Rank	Medal
Sowmyalata.D	2006-10	15	
Jeevitha.P	2007-11	9	
Kanchana.D	2008-12	1	Gold
Kirthika .C	2008-12	2	
Nalini C.Krishnan	2008-12	8	
Hema Malini K.R	2008-12	11	
Sindhu. G	2009-13	9	
Lakshmi Venkatraman	2010-14	2	
Nisfa Fathima M 2	2010-14	7	
Kavirekha R	2010-14	10	
Vigneshwaran D	2011-13 (PG)	1	Gold
Vennila M	2012-14 (PG)	1	Gold
Deepika B	2011-15	1	Gold
Yamuna T	2011-15	3	
Suchithra A C S	2011-15	7	
Ramya V	2011-15	14	
Narmatha P	2011-15	15	
Thiruselvam S	2011-15	16	
Idamagthalene D	2012-16	17	
Shobana M	2012-16	18	
Aashik Kader Mohideen S	2012-16	19	
Priyankka S	2012-16	20	
Arthy B	2012-16	28	

M.E. MEDICAL ELECTRONICS

The Department of Biomedical Engineering at REC also offers a Two year Master Degree Programme in Medical Electronics with an annual intake of 18 students. Which enables us to offer MS/Ph.D programmes. The research and development work of medical electronics engineers leads to the manufacturing of sophisticated diagnostic medical equipment needed to ensure good healthcare. Biomedical engineering combines the design and problem-solving skills of engineering with medical and biological sciences to improve healthcare diagnosis and treatment. Much of the work in biomedical engineering consists of research and development spanning a broad array of sub-fields. The core healthcare science and research in medical sciences will have ever-increasing interface with technology areas. To meet these challenges, a new breed of medical professionals is required who are conversant with medical as well as engineering aspects. They will be able to fuse together the medical sciences with high-end technologies. Medical electronics engineers carry out research along with life scientists, chemists and medical scientists to develop and evaluate systems and products such as bio compatible prostheses (artificial devices that replace missing body parts), various diagnostic and therapeutic medical devices ranging from clinical equipment to microimplants, common imaging equipment such as Magnetic Resonance Imaging (MRI) and Electro Encephalo Gram (EEG), biotechnologies such as regenerative tissue growth, pharmaceutical drugs and bio pharmaceuticals, medical information systems, and health management and care delivery systems. Most engineers in this specialty need a sound background in another engineering specialty, such as mechanical or electronics engineering, in addition to specialized biomedical training. Some specialties within medical electronics engineering include biomaterials, biomechanics, medical imaging, rehabilitation engineering and orthopaedic engineering.

M.S. (By Research) and Ph.D. Programmes

Biomedical researchers use their engineering and science backgrounds to design the next generation of systems and treatments that will advance the quality of life for patients. The Department of Biomedical Engineering is an Anna University recognised research centre to conduct M.S. (By Research) and Ph.D. programmes. Several faculty members have been doing in-house research and publishing papers in peer reviewed international journals and conferences. Three of the faculty members are recognised Ph.D supervisors under whom seven candidates have registered for their Ph.D./M.S. (By Research)

RESEARCH PROJECTS

Faculty members in the department are highly focused on research and developmental activities. Currently the department is having four funded projects sponsored by Indian Council for Medical Research, New Delhi and University Grants Commission, New Delhi.

- A project Titled "Thermography as a tool to detect Fetus Abnormality" funded by ICRM – 11.42 Lakhs.
- A project Titled "Design and Development of Powered Lower Limb Exoskeleton for Hemiplegic Patients" funded by UGC, New Delhi – 3.0 Lakh
- A project Titled "Development of automated tool for early diagnosis of Diabet Retinopathy From SDOCT retinal images using virtual instrumentation" funded by UGC, New Delhi – 2.0 Lakh
- A project Titled "Development of a device to detect Obstructive Sleep Apnea (OSA) during wakefulness using breathing sounds" funded by UGC, New Delhi – 3.7 Lakhs.
- A PG project Titled "Development of Affordable and Reliable Vein Finder" funded by Institution of Engineers (India), Kolkata – 0.5 Lakh
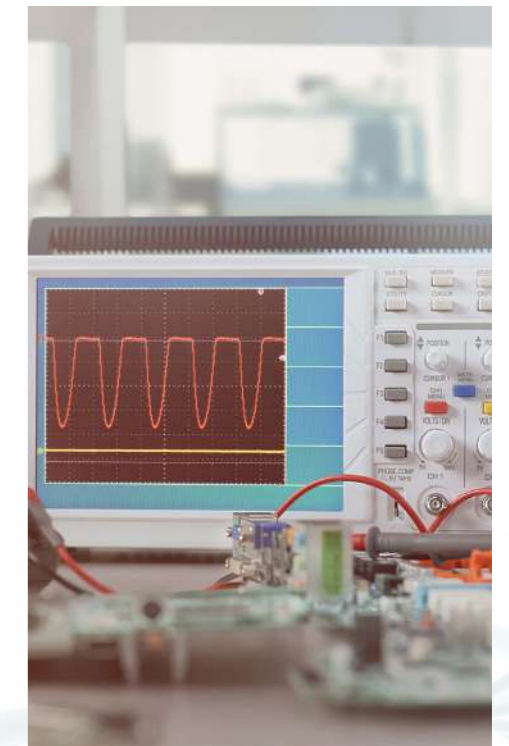
BIOTECHNOLOGY

VISION

To be a department of academic excellence focused on education, research and development and to conquer the frontiers of biotechnology, benefitting the society.

MISSION

- To impart quality technical education
- To continuously enhance and enrich the teaching / learning process
- To provide an ambience for overall development of the students to be more creative, innovative and globally competent ethical professionals
- To promote research and develop technologies and products for the sustenance and wellbeing of the society
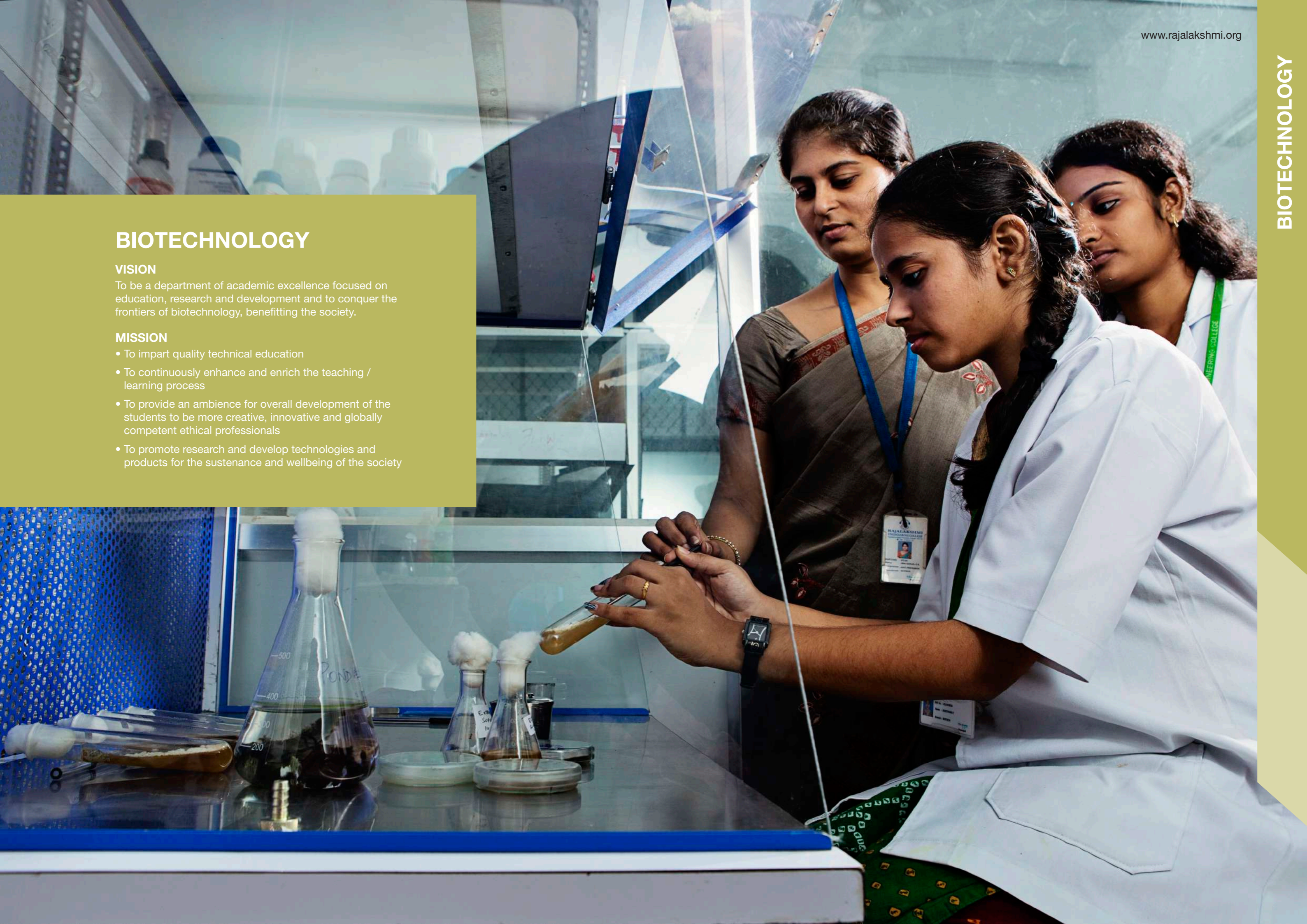
B.Tech.. BIOTECHNOLOGY

The inception of the Department of Biotechnology was in the year 2002. From then the department has grown tremendously and is actively involved in academics, research, entrepreneurship initiatives and product development. The department has established state of the art laboratories to develop natural polymers, biopesticides and food preservatives. Other areas of research include Cancer Biology, Bioinformatics, Parasitology, Immunotechnology, Ethanopharmacology and Nanobiotechnology. Dedicated and experienced faculty members with PhD and Post graduate qualifications are an asset to the Department. Faculty with post-doctoral experience from foreign universities also add great strength to the department.

IN-PLANT TRAINING

The students are encouraged to do their in-plant Training at the following places:

- Indian Institute of Food Processing Technology, Thanjavur
- Novozymes India, Bengaluru
- AU-KBC Research Centre, Anna University, Chennai
- Salim Ali Centre for Ornithology and Natural History, Coimbatore
- National Institute for Research in Tuberculosis, Chennai
- Sankara Nethralaya Research Centre, Chennai
- Pasteur Institute of India, Coonoor
- ICAR, Coimbatore
- TANUVAS, Chennai
- Dubai Genetic Centre, Latifa Hospital
- Aachi Foods, Chennai
- Lifeteck Research Center, Chennai
- Aristogene, Bangalore
- Centre for Stem Cell Research, CMC-Vellore
- Dr. Reddy's Laboratory Limited, Hyderabad
- CDRI, Chennai
- TTK Healthcare Ltd
- TNAU, Chennai
- Camillotek Pvt Ltd, Chennai

INDUSTRIAL VISITS

- Biocon, Bangalore
- CavinKare, Puducherry
- Kaleesuwari Refineries Pvt. Ltd., Chennai
- Eppendorf, Chennai
- Britannia Industries, Chennai
- Hatsun Agro Products Ltd, Chennai
- Aavin, Chennai
- Coca Cola India Pvt Ltd, Chennai
- Parle Agro Pvt Ltd, Chennai
- Lotte Chocopie Ltd, Cuddalore
- Aristogene Biosciences, Bengaluru
- Cheyyar Cooperative Sugar Mills Ltd, Cheyyar
- Carborundum Universal Ltd, Chennai
- National Research Centre for Banana, Trichy
- OFERR, Spirulina Research Centre, Chennai

M.Tech., M.S. (By Research) and Ph.D. programmes

The department offers M.Tech Biotechnology course since 2006 and has produced 110batches of successful graduates. The department is an Anna University recognized research centre to conduct M.S. (By Research) and Ph.D. programmes. Twelve of the staff members are recognized Ph.D. supervisors under whom 26 candidates have registered for their Ph.D. / M.S.(By Research) and 8 have completed successfully.

Some of the noteworthy products developed by our students include nanospun biomaterials for wound healing, portable diagnostic kits, nano herbal formulations for treatment of diabetes, atherosclerosis, myocardial infarction and supplements against drug induced toxicities. We are also focussed on environmental protection, by detection of environmental toxins, effluent treatment using biomaterials, phytoremediation, computational drug design and network biology. The research works have been published in reputed peer reviewed national and international journals.

ALUMNI SPEAK

I have obtained Masters degree from Georgia State University, Atlanta USA. Towards my MS thesis, I researched on the topic 'Epigenetics of uncoupling protein 1 for development of therapeutics towards diabetes and obesity'. My Master's thesis work has been published in the Journal of Biological Chemistry (JBC). Currently i am pursuing my doctorate at Baylor College of Medicine, Houston, USA.
- Anubama Rajan

It gives me immense joy and happiness to say that I am a proud student of the Department of Biotechnology, Rajalakshmi Engineering College. It was the trust I had in the institution that it would be the right place for the next phase of my life and it reflected in my decision. Looking back, it has been one of the best decisions I have ever made, and it is evident through my receiving University Gold Medal and the admission at the University of California, in a prestigious Biotechnology Management Program. The credit for my laurels go to the faculty of Department of Biotechnology, who have been more of mentors at each stage of college life, assuring that my actions and energies are channelled towards the right areas of my development. I see my institution rising and making a mark in the society of tomorrow and would deeply recommend the institution for any individual with an earnest desire to excel, as the Department has the moral force to take one to higher levels and I am a living evidence of that. Always a proud student and alumnus of the Department of Biotechnology REC

– Jaidev Jayakumar (Gold medalist and TCS Best Student Award Winner 2015). He is currently a Consultant at Deloitte Advisory in their Healthcare and Life Sciences Division practice, USA

STUDENTS' ACHIEVEMENTS

- 109 University ranks including 5 gold medals in UG and PG since inception.
- Best Outgoing Student of the College (2010, 2011, 2014, 2015, 2016, 2017).
- Awarded Indo-US Khorana Fellowship Programme (2015, 2017, 2018).
- Recipients of Bronze Medal in iGEM (International Genetically Engineered Machines) held at MIT, Boston USA in November 2017.
- Winners of DBT-ABLE Biotechnology Entrepreneurship Student Teams Award for the years 2017 & 2018.
- Recipients of INSPIRE Fellowship (DBT) and IAS-SRF Fellowship etc.
- Recipient of NTU-India Connect Research Internship 2017.
- Winners of 'Voice for BT' National Level Inter-Collegiate Oratorical Competition organized by Novozymes India Ltd (2012, 2015, 2016, 2017).
- Winners of IITM-PALS Innovation Challenge 2018.

- Top scorers in GATE, GRE, TOEFL, IELTS, DBT – JRF, NPTEL courses offered by IITs and IISc.
- Gaining admissions to Direct Ph.D in IITs, IISc and Universities abroad with full fellowship.
- Finalists in International quiz competition conducted by NCRM NICHE 2017 at Tokyo, Japan, a jointly organized congress by EELS, GN corporation Japan & Genotec in academic partnership with Shibuara University Japan and German Society of Stem Cell Research.
- Faculty and students successfully defended the campaign idea at the Regional Round for the 'New Zealand - India Sustainability Challenge', 2017
- Our alumni are currently serving in NIH (USA), FDA (USA), GENTEK (USA), Princeton University (USA), BIOCON, NOVOZYMES, EPPENDORF to name a few.
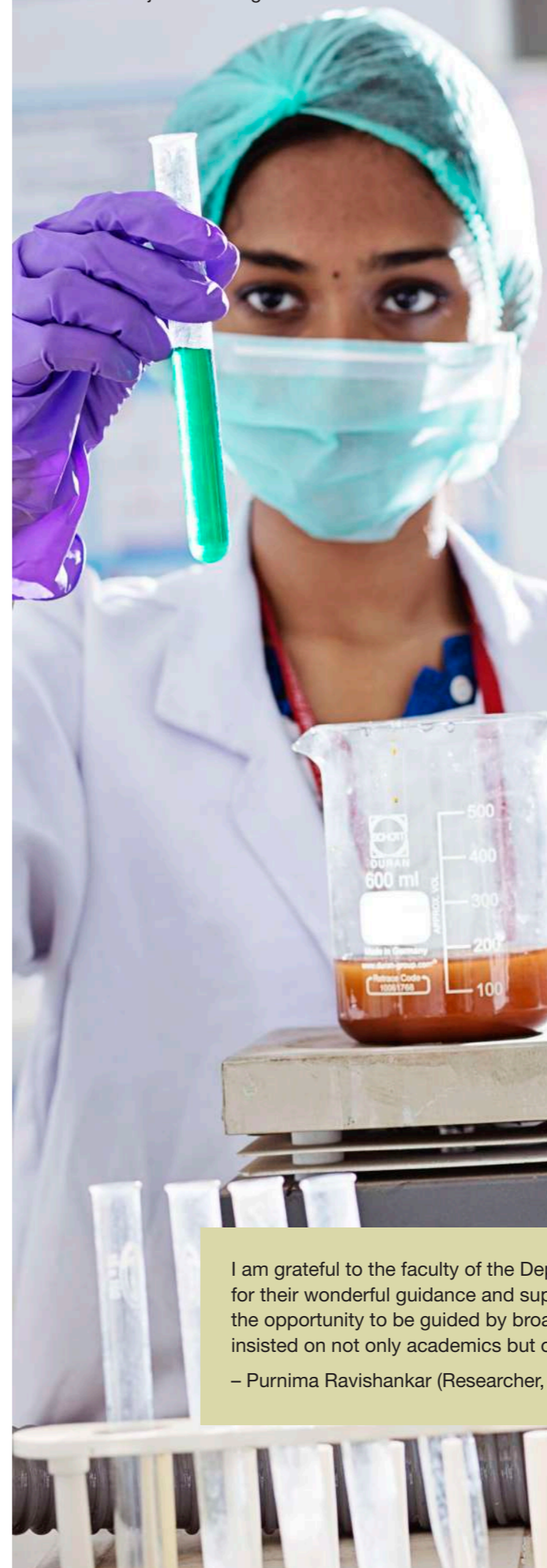
RESEARCH PROJECTS

- Dr. P. Saravanan, Stress resistance and characterization of exopolysaccharides secreted by oral bacterial biofilm communities. SERB Rs. 39 Lakhs, 2017
- Mrs. M. Millicent Mabel, Antibacterial and antiviral activity of marine Actinomycetes on multidrug resistant luminescent bacteria and yellow head virus(YHV) affecting giant tiger prawn. UGC Rs. 3 Lakhs, 2015
- Dr. T. Anitha, Chitosan Collagen Polyvinyl Alcohol polymer composite nanofibers: characterization, antimicrobial studies and its wound healing effects. UGC Rs. 2.85 Lakhs, 2015
- Ms. C. S. Jeba Samuel, Bioflocculation and Biosurfactant activity of Nostoc cyanobacteria. UGC Rs. 1.9 Lakhs, 2015
- Dr. Rekha Ravindran, Elucidation of mechanism of action of with aferrin a present in Ashwagandha using serial molecular docking method and pharmacophore modeling. UGC Rs.1.1 Lakhs, 2015.
- Dr. P. Rajasekar, Dr. Johanna Rajkumar, Mr. T.A. Selvakumar, Development of plant based gold nanoparticles with special reference to high fructose diet induced insulin resistance. AICTE - RPS Rs.7.76 Lakhs. 2014
- Dr. T. R.Sundararaman, Dr. B. Vijayageetha, Dr. Sujata Roy, Identification of toxicity mechanisms through the relationship between exposure and changes in genome-wide gene expression pattern by using bioinformatics tools and databases. AICTE - RPS Rs.18.9 Lakhs, 2013
- Dr. D. Haripriya, Elucidation of mechanism by which propylthiouracil clears lesions in psoriatic patients. DST-SERB Rs. 17.62 Lakhs, 2012

I am grateful to the faculty of the Department of Biotechnology for their wonderful guidance and support. I'm glad to have had the opportunity to be guided by broad-minded individuals who insisted on not only academics but overall growth.

– Purnima Ravishankar (Researcher, Johns Hopkins University)

CHEMICAL ENGINEERING

VISION

To be a center of excellence in chemical engineering to provide well prepared professionals to the industries and society.

MISSION

- To provide state of art environment to the students for better learning to cater for the chemical industries and pursue higher studies.

- To provide space to the students in research to think, create and innovate things.

The Department of Chemical Engineering in Rajalakshmi Engineering College was started in the year 2016 with an approved intake of 60 students. The department is supported by qualified and experienced faculty members.

B.Tech. CHEMICAL ENGINEERING

Chemical Engineering is a branch of engineering that applies physical sciences (physics and chemistry), life sciences (microbiology and biochemistry), together with applied mathematics and economics to produce, transform, transport, and properly use chemicals, materials and energy. A chemical engineer designs large-scale processes that convert chemicals, raw materials, living cells, microorganisms and energy into useful forms and products that serve the society.

Designing, Manufacturing and Optimization are the three keywords of Chemical engineering. Worldwide, Chemical Industries depend on the synthesis and processing of chemicals and materials – chemical engineering – for their existence. Chemical Engineering techniques are used for the production of usable, high quality products such as fibres, fabrics, paints, medical drugs, biomaterials, gasoline, lubricants etc used in various industries such as textile, food, plastics, automotive, aerospace, petroleum, oil and gas, biomedical, biotechnology and pharmaceuticals, thereby increasing the scope of Chemical Engineering.

We believe chemical engineering holds the key to a healthier, cleaner and more efficient world, and a better tomorrow for all. Hence in REC, we prepare and motivate the young minds to excel in the Chemical engineering field by giving the proper classroom teaching and co-scholastic activities like oral and poster presentation and working model development. The students are actively involving in this kind of activities. They participate and some of them are winning the competitions.

The faculty members of the department have good research experience and make the students think of the recent developments in the field which brings down the gap between the text book and recent happenings. The students are given GATE coaching from the second year itself so that they are well trained to take up any competitive examination in the future. The students are taken to the industries regularly so that they are exposed to the industrial atmosphere and hence they understand the concepts clearly. The overall activities of the department make the students well-rounded personalities so that they become proud RECian in the future.

CIVIL ENGINEERING

VISION

To be a department imparting knowledge in Civil Engineering education, research, entrepreneurship and industry outreach services for creating sustainable infrastructure and enhancing quality of life with professional and ethical values.

MISSION

- To provide an effective teaching – learning environment enabling students to be competent Civil Engineers.

- To motivate research and entrepreneurial initiatives in the field of Civil Engineering.

- To inculcate ethical values to serve the society with high order professionalism.

B.E. CIVIL ENGINEERING

The Civil Engineering Department was started in the year 2009 with an intake of 60 students. The intake was then increased to 120 students in the year 2014. The department has an eminent faculty team with specialization in Structural Engineering, Geotechnical Engineering, Environmental Engineering, Irrigation and Water resources Engineering, Construction Engineering & Management and Transportation Engineering. Our students have excelled in the Anna University exams and are securing University ranks every year.

The department is well equipped with the state of the art laboratories like Survey lab which has Total station, Digital theodolite and GPS. The Soil Mechanics lab is equipped with Triaxial testing machine, Unconfined compression testing machine and consolidation testing facilities. We have a Concrete Technology lab with all facilities to test the material characteristics of Building materials and Bitumen. The strength of Materials lab is equipped with a 40 Ton UTM. We have a well equipped Fluid Mechanics Lab with prototypes of turbines, pumps, and flow measuring equipments. The Environmental engineering lab has been modernized with digital equipments for testing water and wastewater quality. We have established a "Sustainable Construction Materials Research Laboratory" with a funding from DST and DRDO which has advanced equipments like RCPT, Optical microscope, Accelerated curing chambers and Concrete Durability testing equipments.

IN-PLANT TRAINING

Our students have undergone in-plant training at L & T construction, Public Works Department, Metro Rail, Ramco cements & salem grinding plant, Ultracon structural system, Department of atomic energy township - Anupuram, and Integral Coach Factory. Students have also attended internship at IIT madras and IIT Bombay.

RANKS/PRIZES/AWARDS

Civil Engineering students are consistently securing Anna University ranks in all batches. They have won prizes in various competitions like Bridge Design, Autocad contest, Model making competition, Technical paper presentation, Online Photography, Technical Quiz and Oratorical contest.

Dr. S. Geetha, Professor of Civil Department has obtained the young Scientist research project from DST- SERB. She has been awarded the "Outstanding scientist" for her contribution towards research, sponsored by Venus International foundation for Research Association (VIFRA)

INDUSTRIAL VISITS AND WORKSHOPS

The students are exposed to real time construction activities. The students are taken for regular Industrial Visits to various construction sites, water treatment plants, Chennai Port Trust and Research Laboratories like Structural Engineering Research Centre (CSIR-SERC), CLRI, IIT Madras Labs, Highway Research Station and Hydrological Research Station to update themselves with the research activities taking place in various civil engineering fields. We encourage the students to carry out their Final year Projects in construction companies and Research Laboratories. We also arrange regular Guest lectures for our students by Experts from Construction Industry as well as eminent Professors from foreign universities, SERC and IIT Madras. We also conduct training programmes to train the students in Software skills like CADD, BIM, Revit Architecture, Staad, ETABS, ANSYS and MS project.

SCOPE FOR HIGHER EDUCATION

There are a number of technical specializations within the realm of Civil Engineering for students in which they can pursue their higher studies. The various fields of Civil Engineering specialisationsinclude Structural Engineering, Geotechnical Engineering, Environmental Engineering, Water resources Engineering, Irrigation Management, Earthquake Engineering, Remote Sensing & GIS, Construction Management & Technology and Coastal Engineering.

Our students are regularly qualifying in GATE, GRE and TOEFL exams and are pursuing their higher studies in top universities in India and abroad

SL.NO.	BATCH	STUDENT NAME	SPECIALIZATION	TOP UNIVERSITY
1.	2009 -2013	Aishwarya Thiruvengadam	M.S. - Construction Management	University of Sheffield, United kingdom
2.	2009 -2013	Manu. T	M.S. - Environmental Management	AUT University, New Zealand
3.	2010-2014	Nivetha. S	M.S. - Earthquake Engineering	University of Canterbury, New Zealand
4.	2010-2014	Muthuraman. A	M.S. - Earthquake Engineering	University of Canterbury, New Zealand
5.	2012-2016	Sindhoora. K	M.S. - Transport and Planning	Delft university of Technology, Netherlands.
6.	2012-2016	Sanjena. N D	M.S. - Environmental Engineering	Tsinghua University, China
7.	2012-2016	Harish. S	M.S. - Ocean Engineering	IIT Madras

MAJOR LAB EQUIPMENTS

Total Station, Optical Microscope, Rapid chloride Penetration Testing Apparatus, Concrete impermeability Apparatus, Elcometer for Corrosion Testing, COD analyser, Leaf spring testing Machine.

ALUMNI SPEAK

ALUMNI PURSUING M.S., ENVIRONMENTAL ENGINEERING AT TSINGHUA UNIVERSITY, CHINA SPEAKS:

N.D.SANJENA, ROLL NO: 201228038, BATCH: 2012 TO 2016

My experience in Rajalakshmi Engineering College has been truly life changing and inspiring. I can definitely credit my college for metamorphosing the ambitious youngster I was into the holistic self competent professional I regard myself to be, today. In a world which promises to quench your thirst, REC makes you grow your thirst for knowledge. The outstanding attribute of REC is that there is room and scope for every individual to grow and develop in whatever he/she may have as passion for, apart from the mainstream academics. I have personally been a part of several clubs of the college, and events which brought out the team player in me. Also the entire management working is untiringly for the welfare of the student community which is evident from the great care they take in the minutest of details. The concern and involvement they show is beyond what their duties demand. Therefore I feel completely blessed to have spent four fruitful years in REC and would like to congratulate the future batches for their wonderful choice of college, and to make a difference in this world, which definitely needs us.

COMPUTER SCIENCE & ENGINEERING

VISION
To promote highly ethical and innovative computer professionals through excellence in teaching, training and research.

MISSION
To produce globally competent professionals, motivated to learn the emerging technologies and to be innovative in solving real world problems.

To promote research activities amongst the students and the members of faculty that could benefit the society.

B.E. COMPUTER SCIENCE & ENGINEERING

The Department of Computer Science and Engineering was started in the year 1997 with an intake of 60 students. Student intake has increased gradually from 60 to 300 between 1997 and 2015. The Department had started Post Graduate (ME. CSE) programme in the year 2004 with an intake of 18 students. The Department has also been accredited by National Board of Accreditation (NBA) and Re-Accredited in 2014. The Department has been recognized for permanent Affiliation and as a Research Centre by Anna University in 2006, through which the Department offers high quality research programs at Doctoral level. Taking into consideration the latest developments in the discipline, the course content delivery is carefully devised and updated every year through Faculty Preparation Programme. The Department arranges periodic guest lectures, and field visists to strengthen the teaching of the subjects and to expose the students to the actual work situations. The faculty members participate in the refresher and training courses to update their knowledge and teaching techniques. The faculty by being active members of professional bodies like CSI, IEEE, IET, ISTE etc., update their knowledge through workshops, seminars and symposia organized under the aegis of professional bodies. This has strengthened both the teaching and research activities of the Department.

M.E. COMPUTER SCIENCE & ENGINEERING

The Department of Computer Science and Engineering started its Postgraduate Program in Computer Science and Engineering in the year 2004. The program is designed to enhance the skills in depth and breadth from their undergraduate studies. It mainly focuses on strong foundational concepts and also advanced techniques and tools in order to build solutions or systems of varying complexity. The course helps to design software engineering principles and practices for developing quality software for scientific and business applications. The students are guided with emerging information and communication technologies (ICT) to innovate ideas and solutions to existing/novel problems.

M.S. (By Research) and Ph.D. Programmes

The Department of Computer Science and Engineering at Rajalakshmi Engineering College has been recognized as one of the approved research centres of Anna University, Chennai. Research scholars can register for M.S. (By Research) and Ph.D. programmes. There is a provision to pursue research under both full time and part time modes and faculty members working in any one of the colleges affiliated to the University are normally eligible under the part time mode. At present there are four recognized supervisors and 18 research scholars are pursuing their Ph.D. and M.S. programmes in the department. The areas in which the scholars are working now include Cloud Computing, Machine Learning, Data Mining, Networks, Web Services, Peer – Peer Networking, Big Data Analytics, High Performance Computing and so on.

STUDENTS' ACHIEVEMENTS

01. Chahat Agarwal, Tharun, Vicknesh, Yaseen, Kaviarasu and Janar Priyanka of Third year won first place and got cash award of Rs. One lakh for Smart India Hackathon 2017 under ISRO conducted by AICTE

02. Bharadwaj.S, Final year, CSE has been awarded as Highest Committed Student Branch Activist award by Computer Society of India at CSI National Convention, Coimbatore on 25-Jan-2017.

03. Aasish V.Anand, Final year, CSE won First place in Cyber Security Hackathon conducted by the US Consulate and LLF in association with VIT.

04. Aasish V.Anand and Om Prakash, Final year, CSE won First place in CII-Connect Hackathon for Smart Traffic Signals project.

05. Aasish V.Anand and Omprakash, Final year, CSE won ISSRD Best Project in State level category by International Society for Scientific Research and development

06. Aasish V.Anand and Om Prakash, Final year, CSE received Dr. APJ Abdul Kalam Young Achiever Award by World Youth Federation for his project on Smart Signals.

07. Om Prakash, Final year, CSE won Third place at Infosys Hackathon for Automated Parking System and was nominated for Worldskills India 2017.

08. Bharatwaaj.S, Final year, CSE was awarded TCS best student award 2017.

09. Chahat Agarwal, Gajapathi and Aswin Padmanabhan, Third Year, CSE received Dr. APJ Abdul Kalam Young Achiever Award by World Youth Federation for Air Pollution control system project.

10. Chahat Agarwal and Vignesh Selvamani, Third Year, CSE got First place in Best'16 State Level Quiz Competition conducted by Bharat Electronics Limited.

11. Koushik Raghavan, Sudhegan and Hemaant, Second Year, CSE won first place in Kaizen Robotics competition conducted by Lema Labs.

12. R.Pavithra of Final CSE won the Badminton Tournament conducted by Singapore Badminton Association.

13. Koushik Rahavan, Jayaarun and Hemaant.C of Second Year won consolation prize in IOT Makethon conducted by VIT University.

14. Raghuveer Mahesh, and A.Rahul of Second CSE won third place in IEEE Regional level ICT quiz competition.

15. Yatheendra Praveen K M and Sidharth of Third Year got Second place and a cash award of Rs. 50,000 for project competition conducted by Bannari Amman Institute of Technology.

16. Meenatchi KV and Poornima . T of third year won IoT Innovation Challenge 2017 conducted by Sairam Instutite of Technology

17. C.R.Subramaniam and Varun Dwarkani of second year won First Place in technical Quiz conducted by Agni college of Technology

EVENTS & CONFERENCES

SL.NO	DATE	TOPIC	RESOURSE PERSON NAME	ORGANIZATION
1	08/02/17	Foundation Program RDBMS - Conversion of ER Diagram	Mr. Roy Arnold	Infosys Ltd
2	08/03/17	Normalization	Mr. Roy Arnold	Infosys Ltd
3	07/05/17	Data Protection & Management	Mr. Abhijit Sreenivas	Dell EMC
4	06/06/17	Video Recording Tools	Mr Roy Arnold	Infosys Ltd
5	14/06/17	Eclipse with IDE plugins	Mr. Roy Arnold	Infosys Ltd
6	15/06/17	Developing An Entrepreneurial Mindset Through Integrated E Learning	Dr. Ron Harichandran	University of New Haven, USA.
7	17/06/17	Transforming Your IT MOOC	Mr. Abhijit.Sreenivas	Dell EMC
8	13/07/17	Democratize your data	Mr. Robert Schillings	Adobe India
9	15/07/17	Best practices for OBE Implementation	Dr.B.Kanmani	BMS College of Engineering, Bangalore.
10	20/07/17	AWS Mobile Hub to build, develop & test compelling cloud-enabled apps	Mr. Olivier Klein	Amazon Web Services
11	20/07/17	Understand how Amazon Kinesis Streams	Mr. Olivier Klein	Amazon Web Services
12	24/07/17	Amazon Cloud Security	Mr. Santhosh Rajeev	Amazon Internet Services
13	26/07/17	Predictive Analysis	Mr. Nagarajan Karuppiah	TCS
14	08/08/17	Python Database Integration	Ms. Kalpana	Infosys Ltd
15	23/08/17	Ransomware revisited is it really the worst type of malware?	Mr. Mehul Thakkar	Sophos India Ltd
16	24/08/17	Modernize Your Data Center With The New Standard in Hyper-Converged	Mr. Rajesh Ramnani	DELL EMC
17	29/08/17	OOP using Advanced Python	Ms. K.N. Vani	Infosys
18	30/08/17	Data Protection, Security & Recovery against cyber-attacks	Mr. Tajinder Channi Jitendra Shrivastava	Hitachi Data Systems
19	01/09/17	Empowering the Digital Workplace by driving co-creation by balancing people, technology and partners	Mr. Tajinder Channi	Hitachi Data Systems
20	11/09/17	IoT – Tools and Technologies to build the IoT Stack	Dr. Christian Dornacher	Storage & Analytics Solutions EMEA, Hitachi Data Systems
21	17/09/17	Blender	Dr. Sameer S Sahasrabudhe	IIT Bombay
22	20/09/17	Spatial Data Analysis for Disease Prevalence and Prediction	Dr. Vasna Joshua M.Sc., Ph.D.	National Institute of Epidemiology
23	21/09/17	Transforming Healthcare with Analytics - A case study of Application in Epidemiology	Mr.Sathya Venkatraman	IBM Asia Pacific Global Technology Services, IBM India Pvt Ltd.
24	22/09/17	Pattern on Effectiveness of Treatment for Clinical Trial Data-A Decision Tree Approach	Dr.Ponnuraja	National Institute of Tuberculosis Research, Chennai.
25	05/10/17	Modernize Your Data Center With The New Standard in Hyper-Converged	Mr. Rajesh Ramani	Converged Infrastructure Solutions-, Dell EMC
26	07/10/17	Challenges in Data Privacy	Mr.Craig Scoon	Risk Advisory Service, Deloitte
27	08/10/17	Angular JS Single Page Application Development	Ms. Kalpana	Infosys Ltd
28	24/10/17	Information Management in the Context of IoT	Mr. Jan Konjack & Christian Dornacher	Hitachi Vantara
29	25/10/17	Using Devlops to get from Problems to Solutions	Mr. Jeff Kirkpatrick	Hitachi solutions
30	26/10/17	ScaleIO for VMware Environments: How & Why	Mr. Jason Brown	Dell EMC
31	31/10/17	Bring Intelligence to the Edge with Intels Neural Compute Stick	Mr. Ashwin Vijayakumar	Intel
32	14/12/17	IDEAL-PiY : Integrated Development Environment for Assessment and Learning Python Using Raspberry PI	Prof.R.Anandha Murugan & Dr. R. Alageswaran	K.L.N. College of Engineering, Madurai
33	19/12/17	Cyber Hygiene and Opportunities in Cyber Security	Mr. Prashant Pandey	Computer Society of India Division IV Communication

First Prize winner in AICTE Hackathon under ISRO Category for Problem Category Document Tracking

First Prize winner in CII Connect 2016

ELECTRONICS & COMMUNICATION ENGINEERING

VISION

To produce globally competent Electronics and Communication Engineers with a commitment to serve the society.

MISSION

To impart training with the best of teaching expertise supported by excellent laboratory infrastructure and exposure to recent trends in the industry, to ensure that the students are molded into competent Electronics and Communication engineers with the knowledge of computer applications and worthy citizens of the country.

B.E. ELECTRONICS & COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering (ECE) at REC was established in 1997. The Department has been accredited by National Board of Accreditation (NBA). The department has also been recognized as a Research Centre by Anna University, Chennai, through which the department offers high quality research programs at Doctoral level. The department has always been on a progressive path with the support of dedicated, talented, well qualified and experienced faculty members who have a strong commitment towards providing quality engineering education. The department also has trained and dedicated supporting staff in the laboratories. The laboratory facilities are being constantly upgraded to take care of the technological developments in the area of Electronics, Signal Processing, Microwave & Optical Communication, Wireless Communication, MEMS, VLSI and Embedded system design. The department has been laying more emphasis on teaching and research activities in diversified areas there by molding the students to be skilled communicators, critical thinkers and ethical leaders. The department library houses over 500 books and it has 36 national e-journals and 154 International e-journals, which are available to all the faculty members and students. The faculty by being active members of professional bodies like IEEE, IET, IETE, ISTE etc., gain opportunities for knowledge sharing and networking. Faculty members and students are motivated to present their research work in International conferences. Every year all eligible students are being placed in various reputed companies through campus recruitment. Electronics and Communication Engineering graduates find opportunities in the terrestrial and extra terrestrial communication systems space like telephones, television, satellites, radar, remote sensing. They also find a large acceptance in consumer and entertainment electronic industries.

IN-PLANT TRAINING

The students of ECE undergo In-Plant training during summer and winter vacations in various companies like Uniq Technologies (Chennai), HCL Technologies (Chennai), Three sixty one Degree Minds Consulting Pvt. Ltd., Nokia, All India Radio, Srinar Electronics Pvt. Ltd, Flextronics, Excel Automation Solutions, Bharti Airtel Limited., Bharat Sevak Samaj, Prasad Bharati, Allison Transmission, Chennai Port Trust, SNIC Chennai, Toyota Motors Limited, TN Electricity Board, Chennai Metro Rail Corporation, ICE etc. The duration of in-plant training ranges from two to seven days. The students are able to gain exposure about industry and also get an opportunity to bridge theory with application in real life. Students are encouraged to attend this inplant training in the company of their choice so as to help them gain an exposure in the industry.

MoUs WITH INDUSTRY

REC has signed MoUs with Texas Instruments and BSNL.

INDUSTRY INSTITUTE INTERACTION CELL

- Dr. R. Sundar, Head CSRC and Dr. L. Sujatha, Head, CEMM visited M/s Power Gear Ltd, MEPZ, Chennai on 6th July 2016 and interacted with Dr. K.Subramanian, CEO & Head, R&D
  (As a result of which Centre for Sponsored Research & Consultancy (CSRC) of our college and M/s Power Gear Ltd, MEPZ, Chennai signed a two way Non-Disclosure Agreement on 14th July 2016 for future research collaborations.)
- Dr. K.Subramanian, CEO & Head, R&D, M/s Power Gear Ltd, MEPZ, Chennai visited our campus on 14th July 2016 and delivered a keynote address on "Systems thinking in MEMS" , during the inaugural session of CEMM's Summer Training Program.
- Mr. T.Jayanand, Director, "Tesla Minds" has interacted with Second and third year ECE students during 2 days workshop on "IoT Based Amplifiers -Design Challenges and Opportunities", 23 -24 August 2016.
- Mr. S. Satheesh Kumar, Assistant Professor has attended IESA SUMMIT held at Bengaluru during 21st and 22nd of February'2016.
- Mr. T.Manikandan, Associate Professor and Mrs.V.Radhamani, Assistant Professor (SG) have attended IESA SUMMIT held at Bengaluru during 3rd and 4th of February'2016.
- Dr. B. Priya & Ms.S.Anitha have attended five days Sabbatical training from 09/06/2017 to 16/06/2017 in Schwing Stetter Company, Irungattukkottai.

- Ms.Devi .B & Mr.J.Karthi have attended five days " Project based RF system design training course"from 12/06/2017 to 16/06/2017 in TESLA MINDS , Chennai about Antenna design using ADS and HFSS Software.
- Ms.Rajalaxmi.S , Mr.R.Gomathi & Mr.R.Yuvaraj have attended Seven days training from 12/06/2017 to 16/06/2017 at Advanced Training Institute, MSDE, Government of India about "8051 Programming & Applications".
- Mr.Easwaran , Mr.R.Bhaskar & Mr.S.Veeraragavan have attended Seven days training from 12/06/2017 to 16/06/2017 at Advanced Training Institute, MSDE, Government of India about "Computer Hardware Maintenance & Networking".
- Shri.B.V.H.S.Narayana moorthy ,Associate Director, DRDO, RCI, Hyderabad, delivered guest lecturers in Indigenous Missile Technology development on 17.8.2016 and interacted with faculty members from departments of ECE, IT, CSE and CIVIL.

PRIZES / AWARDS AND RECOGNITION

- **Dr. R. Sundar,** Professor has been appointed as Syllabus Sub-committee member for framing curricula and syllabi for PG Degree Program(R-2017), M.E. Applied Electronics, M.E. VLSI Design and M.E. Digital Signal Processing.
- **Dr. M. Palanivelan,** Professor & Head has been elevated to the grade of Senior Member at IEEE for significant contribution in professional society activities.
- **Dr. T. Manikandan,** Associate Professor, has become an editorial board member in Integrative Cancer Biology & Research journal.
- **Dr. S. Chitra,** Associate Professor has become a reviewer in PLOS ONE, IETE Journal of Research, IEEE Access.

FACULTY WHO HAVE BEEN AWARDED PH.D.

- **Dr. T. Manikandan** in January 2017
- **Dr. S. Chitra** in February 2017
- **Dr. B. Priya** in March 2017

FACULTY WHO HAVE RECEIVED BEST FACULTY AWARD FROM RAJALAKSHMI ENGINEERING COLLEGE

- **Dr. B. Priya,** Associate Professor
- **Mr. V. S. Selvakumar,** Associate Professor
- **Mr. K. Senthil Kumar,** Associate Professor
- **Mrs. V. Radhamani,** Assistant Professor(SG)
- **Mrs. P. PearlineSheeba,** Assistant Professor(SS)
- **Mr. M. Sathish,** Assistant Professor(SS)
- **Mr. Satheesh kumar.S,** Assistant Professor(SS)
- **Ms. Sheena Christabel Pravin,** Assistant Professor (SS) obtained 93.02 percentile in GATE 2017 in the Electronics and Communication Stream. Completed Machine Learning Course from Stanford University with a grade of 97.2%.

FACULTY WHO HAVE ACHIEVED TOP RANKS IN NPTEL COURSES

- **Mrs. D. Indumathy,** Assistant Professor (SG) has obtained NPTEL Elite + Gold category and is Fourth topper across the nation in the course titled 'Digital Image Processing".
- **Dr. B. Priya,** Associate Professor has obtained NPTEL top five score across the nation in the course titled "Wireless ad-hoc and sensor networks".
- **Mrs. V. Radhamani,** Assistant Professor (SG) has obtained NPTEL top five score, Elite category in the course titled "Wireless ad-hoc and sensor networks".
- **Dr. B. Priya,** Associate Professor has secured 2nd rank (National Level) in the NPTEL online course titled "Introduction to Internet of Things"
- **Mrs. V. Radhamani,** Assistant Professor(SG) has secured 2nd rank (National Level) in the NPTEL online course titled "Introduction to Internet of Things"
- **Ms. C. Jamuna Devi,** Assistant Professor has secured 2nd rank (National Level) in the NPTEL online course titled "Introduction to Internet of Things"
- **Ms. Sheena Christabel Pravin,** Assistant Professor has obtained ELITE + GOLD and secured 1st Rank (National Level) in online course titled "Digital Signal Processing"
- **Ms. Dona Joice** has obtained ELITE category and is placed under top 5% category in the online course titled "BASIC ELECTRONICS"

STUDENTS' ACHIEVEMENTS

01. G.T.Gokulrajan S.Dhaneshwar II ECE National level Workshop cum Competition-Technex'17 IoT-Internet of Things. Rajalakshmi Engineering College, Thandalam 5th & 6th January, 2017. First

02. G.T.Gokulrajan II ECE International Symposium - Pragyanz2k17, Project Display. Alagappa Chettia College of Engineering and Technology, 23rd & 24th, January, 2017. First

03. G.T.Gokulrajan, S.Dhaneshwar II ECE International Symposium - Pragyanz2k17, Technical Event. Alagappa Chettia College of Engineering and Technology, 23rd & 24th, January, 2017. First

04. R.Hemanth Kumar II ECE International Symposium - Pragyanz2k17 Technical Event Alagappa Chettia College of Engineering and Technology 23rd & 24th, January,2017. First Prize.

05. R.Hemanth Kumar, S.Dhaneshwar II ECE International Symposium - Pragyanz2k17, Project, Alagappa Chettia College of Engineering and Technology, 23rd & 24th, January,2017. First

06. S.Dhaneshwar II ECE International Symposium - Pragyanz2k17, Macro Photography, Alagappa Chettia College of Engineering and Technology, 23rd & 24th, January, 2017. First

07. D.Preethi Preyya Ramane III ECE National level Symposium - Quintessence 2k17, Paper Presentation on "Wireless Stethoscope", Easwari Engineering College 1st February, 2017. Second

08. R.Subashini III ECE National Level Symposium - TECHKRANTHI 2K17 Circuit Debugging, Rajalakshmi Engineering College, Thandalam 25th February, 2017. First

09. K.Prabakaran II ME Enterpreneurship Workshop Able-Best India 2016 Manesar, National Capital Region, 19th-23rd February, 2017. Second (Won a cash Prize of Rs.60,000)

10. Pavana Krishna II ECE National Symposium-TECHNO CRESCITA 2K17, Paper Presentation, Shri Andal Alagar College of Engineering, 25th February, 2017. First

11. Divya .A, Hariram.A, Anchana.C II ECE Project Expo 2k17 Project titled: Smart Shopping Cart, Rajalakshmi Engineering College, Thandalam 21st March, 2017. First

12. M.Nithyaa, B.Aswini Bala, D.Megala, R.Sangeetha IV ECE 7th National Coference on Communication and Information Engineering, Paper titled "Implementing WDM based optical Network and improving bandwidth efficiency through Multidropper Technique", DMI College of Engineering, 25th March, 2017. Best Paper Award

13. Nirmal Kumar.B, Premika.D IV ECE International Coference on Science and Innovative Engineering 2017, Paper titled "Smart Traffic Management using IoT", Jawahar Engineering College,2nd April, 2017. Best Paper Award

14. Hakshya.V, Indu.R, Hemamalini.M, Gayathri.V.S IV ECE National Conference NCCESP, Paper titled "Removal ofEyeblink Artifact from EEG signal", Velammal Engineering College 7th April, 2017. Best Paper Award

15. Swasthika S, Swetha S, Uma Mageshwari, Nivetha R S IV ECE National Conference on Innovative trends in Engineering and Technology, Paper Titled" Identification of Fake currency and expiry using NFC", Arignar Anna Institute of Science and Technology, 31st March, 2017. Best Paper Award

17. Prasath R K, Mahammed Saddiq, Madan Kumar A, Vijaya Lakshmi T IV ECE National Conference on recent Trends & Emerging Technologies, Paper Titled "Intelligence Speculate warning & cruise control system for two Wheelers", Rajiv Gandhi College of Engineering, 24th March, 2017. Best Paper Award

18. Saranya R, Sandhiya P, Priyadharsini R, Priya Mathew IV ECE 5th International Conference on Contemporary Engineering 2017, Paper Titled "Design and Implementation of Industrial Control System using IoT", Madha Engineering College, 24th & 25th March, 2017. Best Paper Award

19. Hariprasad.S.R, R.Hemanth Kumar, S.Dhaneshwar, Gokularajan.G.T III ECE

STUDENTS' ACHIEVEMENTS

Workshop, World's Biggest International Hands-on Security Forensics Workshop, Microsoft Research Community Group, Chennai, 30th July 2017. World record holder

20. Praveen Kumar K V, S.Gayathri II ECE National level Technical Symposoium 2k17, PROJEXO 2K17, Velammmal Engineering college, 12th August, 2017. First (Rs.1000)

21. Sathyanarayanan.R IV ECE National level Technical Symposoium-XENIX'17, Quiz Sri Sairam Engineering College, 16th August, 2017. Second

22. Pravin kumar.K.V, II ECE, International project competition, IEEE Maker fair, FINALE 2017, Vardhaman college of engineering, 8th and 9th September 2017. Third

23. B.Karthik II ECE International Sports and Cultural Carnival-Riveria 2018, Raaga Reggae, VIT, Vellore, 15th-18th february, 2018. Second

24. R.Thila, S.Swedha National level Symposium-STRIDERZ2K18, Techmarathon Jeppiar institute of Technology, 9th february, 2018. First (Cash prize Rs.1000)

25. S.Karthick III ECE Project Expo 2018, Project titled "Personal Health Care Assistance using Drone", Sri Chandrasekharendra Sarawathi Viswa Mahavidyalaya, 14th March, 2018. Third

26. B.Vishal, B.Yupindra Kumar, Surya Prakash.M, Yugan Raj.S II ECE Project Expo 2018, Project titled "Personal medical Data Management and Transmission using Near field Communication", Sri Chandrasekharendra Sarawathi Viswa Mahavidyalaya 14th March, 2018 First (Cash prize Rs.7500)

LAB FACILITIES

- 3 GHz Network analyser
- 1 GHz Spectrum Analyzer
- Advanced Fiber Optic Trainer Kit (1310 nm)
- Advanced Antenna measurement trainer system
- Basic Micro strip Training System (5MHz-2GHz)
- Fiber Optic Trainer Kit for determining Mode characteristics
- Klystron Test bench (8-12 GHz)
- Embedded- ARM Processor

ELECTRONICS & COMMUNICATION ENGINEERING

M.E. COMMUNICATION SYSTEMS

The Department of ECE began its Postgraduate Program in Communication Systems in the year 2006. The program is designed to enhance the skills in depth and breadth from their undergraduate studies. The course provides students with the knowledge to excel in the ever-expanding communication industries.

- The major subjects covered are
- Wireless Communication
- Signal and Image Processing
- Wireless Networks
- MEMS

Ph.D./M.S.(BY RESEARCH)

The Department of ECE has been recognized as a research centre by Anna University, Chennai with effect from June 2010. Our department is witnessing an excellent growth in R&D activities. The recognized supervisors working in this department are guiding candidates for Ph.D./M.S (By Research) in their relevant field of specialization. The department is actively involved in collaborative projects with industry and government funding agencies. The department promotes research and development in the areas like low power VLSI design, Wireless Technology and Fabrication of MEMS based devices. Nearly 9 research scholars are undergoing their Ph.D. under Anna University Chennai. Research papers have been published by our faculty members and research scholars in the refereed journals. Research works have been presented in various conferences, seminars and symposia held at international and national levels. Workshops, Seminars and conferences are being organized by our department periodically to enhance the knowledge by interacting with the eminent people. The faculty members are attending the faculty Development Programs in their respective field of interest. Various forums have been formed which are useful in sharing knowledge and work towards innovative projects.

ALUMNI SPEAK

We celebrated our study in REC. We had full freedom to express our ideas and thoughts. Our knowledge and skills were enlightened with care by well qualified and magnificent professors, lectures and other laboratory associates. We enjoyed every moment of our college life with the pleasant centralized air-cooled library, state-of-art auditorium and all other facilities provided with a professional touch by admin and management team. The entire institution is evolving as the single soul with same objective as providing world class experience in learning and light up each and every student to realize their dream and goal. We could feel the silent revolution as REC will be the bench mark to the world wide professional institutions. Our college is not just made us an Engineer, It molded as a responsible human being.

Kiran J Nair, 2012 Batch
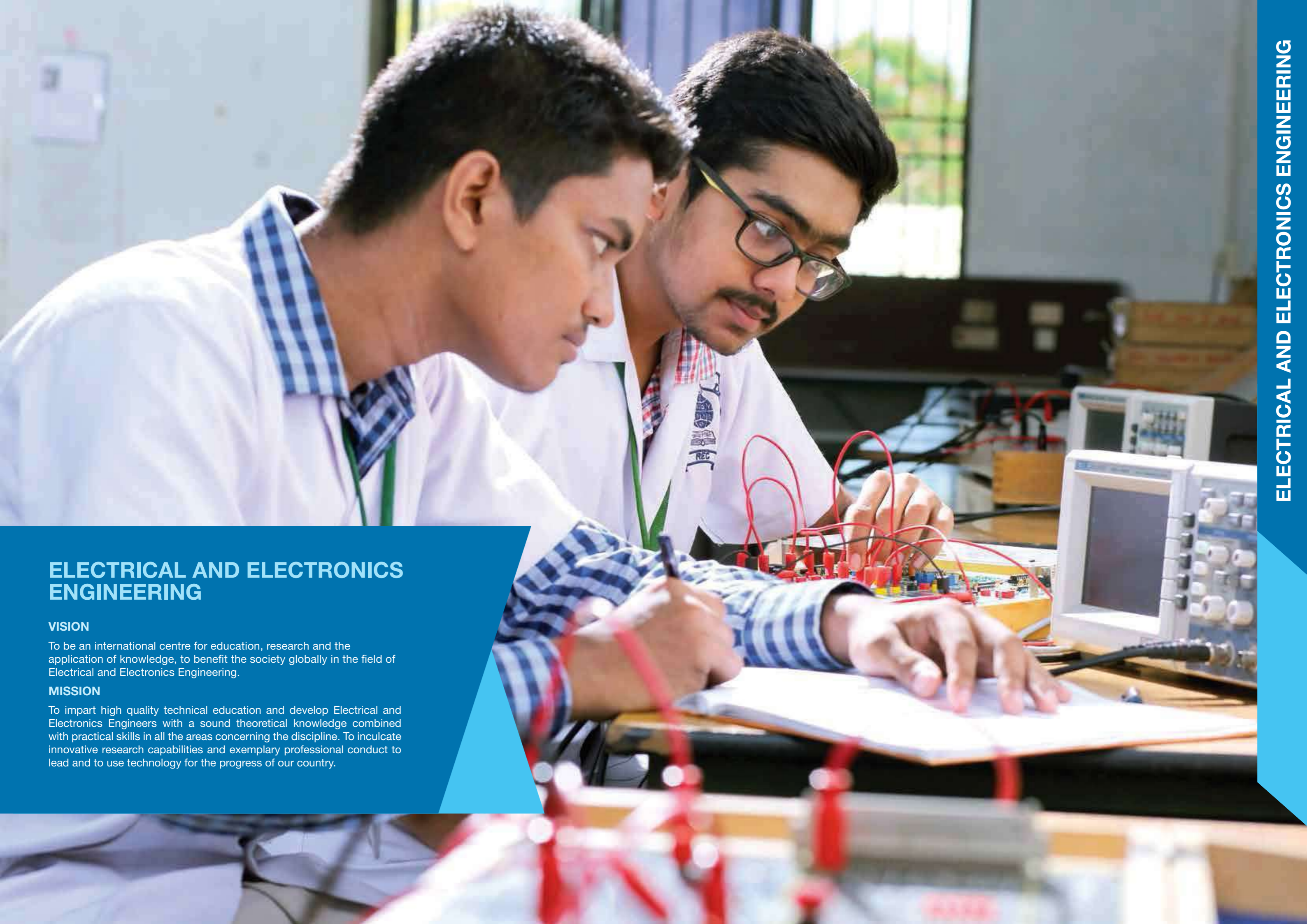
ELECTRICAL AND ELECTRONICS ENGINEERING

VISION

To be an international centre for education, research and the application of knowledge, to benefit the society globally in the field of Electrical and Electronics Engineering.

MISSION

To impart high quality technical education and develop Electrical and Electronics Engineers with a sound theoretical knowledge combined with practical skills in all the areas concerning the discipline. To inculcate innovative research capabilities and exemplary professional conduct to lead and to use technology for the progress of our country.

B.E. ELECTRICAL AND ELECTRONICS ENGINEERING

The department of Electrical and Electronics Engineering was established in the year 1999. Presently, the department offers B.E. (Electrical and Electronics Engineering) with an intake of 180 students and M.E. (Embedded systems Technologies) with an intake of 18 students and M.E. with an intake of 18 students. It has also been recognized as a research Centre by Anna University, Chennai, leading to Ph.D. and M.S. (by research) degrees. A number of candidates are undergoing Ph.D. Programme in the area of Power Electronics and Drives, Power Systems and Renewable Energy Sources.

The department has also been reaccredited by the National Board of Accreditation, New Delhi (NBA). The department has full-fledged faculty members who are dedicated and well- experienced in different fields of specializations. A large number of research papers have been published by the faculty members in reputed journals in various areas of Electrical and Electronics Engineering. The department is presently engaged in an AICTE sponsored project on 'Modernization of Power Electronics and Drives laboratory and another UGC sponsored project on 'An efficient FPGA based Embedded Controller for wheeled Mobile Robots for Agriculture Applications'. Thus well-equipped laboratories in these areas and also on Electrical machines, Control Systems, Power System Simulation and Measurements and Instrumentation are available for carrying out UG, PG and Ph.D. Projects. The UG students have also won several TNSCST awards for their innovative projects in a number of emerging fields of industrial and social relevance.

RECOGNIZED SUPERVISORS OF ANNA UNIVERSITY

1.Dr. M.G. Umamaheswari

2.Dr. R. Kalaivani

3.Dr .P.Sivakumar

4.Dr.K.Premkumar

5.Dr.R.N.Ponnalagu

6.Dr.J.Rizwana

M.E. EMBEDDED SYSTEM TECHNOLOGIES

Embedded Systems Technologies is an emerging interdisciplinary field which requires thorough knowledge of hardware and software aspects of high end processors and working of the various input devices like sensors, keypad and output devices like LCD, ELD, actuators like motors and programming and integration of the whole system. The students are also given an in-depth knowledge in the fields of electrical, electronics, computer programming and communication systems. Students undergo courses on Advanced Digital System Design, VLSI Architecture and Design Methodologies, Wireless and Mobile Communication and Embedded System Laboratory. The graduating students thus acquire a wider and deeper knowledge of such applications to meet the present day growing needs, including precision drive controls and robot operations in a variety of highly automated and sophisticated systems.

IN-PLANT TRAINING

Students also undergo in-plant training during summer and winter vacations to enhance their practical knowledge in various organizations which include; Bharat Sanchar Nigam Ltd, Ashok Leyland Ltd, Bharat Heavy Electricals Ltd, Neyveli Lignite Corporation Ltd., TANGEDCO, Siemens Ltd., Titan Industries Ltd. Travancor Titanium Products Ltd, Integral Coach Factory, Central Electro Chemical Research and Institute, Chennai Petroleum Corporation Ltd., (CPCL), Lucas - TSV (P) Ltd., Delphi - TVS (P) Ltd., Larsen & Turbo Limited (Construction Division), Airports Authority of India, Bosch Ltd., Johnson Electric Pvt. Ltd., Port Trust, Doordarshan Kendra, Brakes India Ltd and L&T Switchgear.

STUDENT PROJECTS SELECTED AND FUNDED BY TNSCST

STUDENT'S	TEAM TITLE OF THE PROJECT	FACULTY MENTOR
M.Saravanan, A.Sathyapriya, V.Srimathi	Smart Irrigation System With GSM Module	Mr. P. R. Sivaraman
A.Elumalai S.Gokul K.Selvam	Closed Loop control of buck boost inverter for grid connected system using H-infinity and MPC controller	Mr. V. Veerapandiyan
S.SarathKumar K.Sarathkumar M.Tamilarasan	Solar heat powered battery charging using TEG Module	Mr. V. Venkatesh
S.Gowthamkumar S.Hariharan P.Harisankar	Modified Electric Vehicle with Rain Shield	Ms. K. Sudha

PROJECTS FUNDED BY EXTENAL AGENCIES

INVESTIGATOR	TITLE OF THE PROJECT	AGENCY	YEAR	FUNDING AMOUNT (Rs in Lakhs)
Dr. K. Premkumar	Modernization of Power Electronics and Drives laboratory	AICTE	2017 – 2018 (On going)	10.5

Ph.D. AND M.S. (By Research) PROGRAMMES

The department is an approved research center by Anna University for carrying out M.S. (by research) and Ph.D. degrees. Many research scholars have obtained Ph.D. and many more are presently undergoing Ph.D. programme. The department of Electrical and Electronics Engineering has well qualified faculty members and good infrastructural facilities to guide these research programmes, the areas of research being Power electronics and drives; Electrical machines and controls; Power quality issues, Power generation from Renewable energy sources and associated controls, design and operation of special electrical machines. With the guidance of faculty members, the research scholars regularly publish their research work in the International journals and present their papers also in International Conferences.

STUDENTS' ACHIEVEMENTS

S.NO	NAME	YEAR	EVENT NAME/DATE	PRIZE
1.	R.Adhithia K.Aravind K.Arunagiri	Third Year	IEEE Student Branch–National level Project Expo at SCSVMV University, Kanchipuram on 15th March 2017	FIRST
2.	M.Dhanasekaran V.Hariharan S.Ganesh karthik	Third Year	Department of IT, Innovision'17 on 4th April 2017	BEST INNOVATION 2017
3.	R.Adhithia K.Aravind K.Arunagiri	Third Year	Engineering Students Innovation Challenge 2017 (ESIC 2017) on 28th and 29th January 2017	FIRST [BEST PROJECT]
4.	G.Adithya, U.Ambarish, R.Aswin	Third Year	VidyutYantra –National level technical symposium at SCSVMV University, Kanchipuram on 24th March 2017	SECOND
5.	G.Adithya U.Ambarish, R.Aswin	Third Year	Blitzkreig- Technical Symposium RMK Engineering College-Chennai on 26th September 2016	SECOND
	R.Adhithia K.Aravind K.Arunagiri	Third Year	Department of IT, Innovision'17 on 4th April 2017	FIRST
6.	G.Adithya, U.Ambarish, R.Aswin	Third Year	STROM-2K17 technical symposium Loyola ICAM college of engineering-Chennai on 19th August 2017	SECOND
7.	M.Dhanasekaran V.Hariharan S.Ganesh karthik	Final Year	DST & Texas Instruments- India Innovation Challenge Design Contest 2017	Qualified for the Second Level
8.	R.Adhithia K.Aravind K.Arunagiri	Final Year	DST & Texas Instruments- India Innovation Challenge Design Contest 2017	Qualified for the First level
9.	Krithik sundar Pragadeesh Parthasarathy	Final Year	DST & Texas Instruments- India Innovation Challenge Design Contest 2017	Qualified for the First level
10.	Aswin Gopikanna	Third Year	Drish TI online contest under Texas Instruments University Program	Third Prize (MSP430G2 Launch Pad)

MOUs WITH INDUSTRY

- Technocrat Automation Solutions Pvt Ltd, Chennai
- TRIMAK, Chennai - leading independent training institute in industrial automation and control systems.

ALUMNI SPEAK

Name   : Bharath A
Designation   : Associate Scientist
Department   : HVDC – Grid Systems R&D
Company   : ABB

I have earned B.E. degree (2009) from Rajalakshmi Engineering College, Chennai and ME. degree (2011) with specialization in High Voltage engineering from College of Engineering, Guindy, both from Anna University. The main motivation for the higher studies was from my faculty members at REC, from whom I learnt all the concepts very well and secured University rank. Since I am presently working in power research field, I am able correlate the core concepts I learnt in my UG and PG classes.

INFORMATION TECHNOLOGY

VISION

To be a Department of Excellence in Information Technology Education, Research and Development.

MISSION

- To train the students to become highly knowledgeable in the field of Information Technology.
- To promote continuous learning and research in core and emerging areas.
- To develop globally competent students with strong foundations, who will be able to adapt to changing technologies.

The left and right margins have vertical text "INFORMATION TECHNOLOGY".

B.Tech.. INFORMATION TECHNOLOGY

The department was started in the year 1998 with an intake of 40 students in the B. Tech program and over the years, the intake has been increased steadily and presently the intake is 120 students. The ME program on Software Engineering was commenced in the year 2006 with an intake of 18 students. Subsequently, in 2011, the department was recognized as a Research centre by the Anna University. So far, 8 research scholars have obtained Ph.D. degree and many more scholars are pursuing their research in this Centre. A large number of papers have been published in the international journals by the department faculty, PG students and research scholars. Apart from the academic program, students are motivated to participate in co-curricular and extra – curricular activities, encouraged to carry out innovative projects and take part in professional society activities. The department is actively involved in Funded Research projects in the area of Assistive technologies, Big Data Analytics and Computer Vision. The department has been recognized as the BEST department thrice.

FACILITIES IN THE DEPARTMENT

The department houses well established Laboratories on Mobile Application Development, Database Management Systems, Programming, Big Data, Cloud and Software Engineering laboratory with more than 200 systems and latest software tools such as Microsoft Developer Network, Oracle, IBM Rational suite, Open office etc. All these laboratories are extensively used by UG, PG and Ph. D. scholars for the regular laboratory work mentioned in the curriculum and also for project work and research work. For the course delivery, the teachers make use of NPTEL lectures and other video presentations using LCDs. The Learning Management System (Moodle) is used to provide course materials, online quiz, online assignment to the students. There is also a library in the department with text and reference books for use by the faculty members and students.

JOBS ARENA

The Information Technology degree program prepares the graduates to enter into an exciting field with a wide spectrum of career opportunities in IT and ITES. There is also a good scope for Product based companies where the students are taught in certain basic courses in the curriculum and through suitable value added programmes. With ever increasing demand for professionals in IT and ITES, IT engineers will always have large avenues for employment. To meet the needs and challenges, the department of Information Technology at REC has a firm commitment to develop skilled and motivated IT engineers with sound technical knowledge combined with leadership qualities, decision making, and design capabilities, communication skills and self-learning abilities.

IN-PLANT TRAINING

Students also undergo in-plant training during summer and winter vacations to enhance their practical knowledge. Some of the organizations they choose are: Bharat Sanchar Nigam Ltd, Chennai; HCL Technologies; ZOHO, Chennai; Wipro Technologies, Bangalore; L&T InfoTech, Chennai; Hitachi Systems, Chennai; TANGEDCO, Chennai; Unisys Technologies, Chennai; Sansbound, Chennai, Sentinel Radiology Solutions- Chennai.

R&D ACTIVITIES

The department has 4 Anna University recognized Supervisors and currently 13 faculty members pursing PhD in IT research centre. The department has received the funding of rupees 1.2 crores from various funding agencies like DST, AICTE, UGC,CSI since 2014. The department has two special labs namely Assistive Technology Lab and Big Data Analytics Lab. Some of the projects carried out in this Lab are:

- "Interactive Teaching Aid for Autistic Children (ITAAC) "under DST – TIDE division – Amount 41.66 Lakhs. (PI – Dr. S. Poonkuzhali, Co-PI – Ms. Priya Vijay & Ms. D. Sorna Shanthi)

- "A Visualization Framework to Enhance the Learning of Hearing Impaired Children" under DST-TIDE division – Funding received 28.56 lakhs. (PI – Dr. R.Kumar, Co-PI – Dr. S. Poonkuzhali)

- "Efficient Prediction and Monitoring Tool for Diabetes Patients using Data Mining and Smart Phone System" under AICTE – Research Proposal Scheme- Amount 4.76 Lakhs. (PI – Dr. S. Poonkuzhali)

- "Efficient Classifier for Detecting Spam in Social networks through Feature Relevance Analysis" under CSI – Minor grant – Amount 0.30 Lakh. (PI – Dr. S. Poonkuzhali)

Dr. S. Poonkuzhali received 6 Lakhs for organizing 10 days training programme on Big Data Analytics from DST- BDI.

Dr. S. Poonkuzhali received AICTE Seminar grant of Rs.1 lakh for organizing two days seminar on "Internet of Things Solving Global Issues- Climate , Education, Poverty & Terrorism".

SCI & SCOPUS INDEXED JOURNAL PUBLICATIONS

- M.Kathiravan, Dr. N.Bhalaji, "Mining Frequent And Infrequent Aspect Extraction For Sentiment Classification Using Online Reviews", Journal of Computational and Theoretical Nanoscience (CTN), 2017, Vol. 14, pp: 1339–1349. (Annexure-I)

- Vijayaraj. A, Suresh R. M., and Poonkuzhali. S , "Node discovery with development of routing tree in wireless networks", Cluster Computing-Springer,Oct-2017, pp: 1-11. (Annexure –I, IF :2.040)

- M. Mehfooza, V. Pattabiraman, "An assessment on domain ontology-based information extraction techniques", International Journal of Services Technology and Management, Nov-2017, Vol. 23, No. 4, pp:299-312.

- A. Raisha Banu,R. Srinath, N. Srinivasan, "A Rehabilitation Method For Developing A Biped Humanoid Robot For Training Autistic Children", International Journal of Pure and Applied Mathematics, Dec-2017, Vol. 115, No. 8, pp:583-588. (IF : 0.635)

- L. Priya, Dr. Sheila Anand, "Object recognition and 3D reconstruction of occluded objects using binocular stereo", Cluster Computing-The Journal of Networks, Software Tools and Applications, May-2017, Vol.16, No.3,pp:01-10. (Annexure –I, IF :2.040)

- M. Edington Alex, Dr. R. Kishore, "Forensics framework for cloud computing", Computers and Electrical Engineering - Elsevier", Apr-2017, Vol.60, pp.193-205. (Annexure –I, IF :1.570)

- Mehfooza. M, Pattabiraman. V, "Analysis Of Supervised Machine Learning Techniques On The Application Of The Indian Coastal Dataset", International Journal of Pure and Applied Mathematics, Feb-2018, Vol.118, No.18, pp: 1913-1923. (IF : 0.635)

- Kathiravan.M and Bhalaji.N, "Mining Comparative Reviews from Web to Rank Competitors Status for Business Intelligence", International Journal of Pure and Applied Mathematics, Feb-2018, Vol.118, No.18. (IF : 0.635)

- Gnanasambandhan P and Poonkuzhali S, "Proportionate Approach for Retrieving Relevant Web Documents by using Outlier DetectionMethod" , International Journal of Pure and Applied Mathematics, Feb-2018, Vol.118, No.18,pp:1813-1825 (IF : 0.635)

- Gnanasambandhan P and Poonkuzhali S, "Review and Framework for Mining Diverse Patterns on Web Log Files" , International Journal of Pure and Applied Mathematics, Feb-2018, Vol.118, No.18,pp:1827-1834 (IF : 0.635)

- A.Irumporai, K.Poornimathi, J.Anitha, S.Visalaxi, "Evaluating the Influence of Forest Area Over Rainfall in India using Data Mining", International Journal of Pure and Applied Mathematics, Feb-2018, Vol.118, No.18, pp: 1835-1846. (IF : 0.635)

- Poonkuzhali.S, Sindhuja M and Mohana E, "Android App to provide Context and Mood Based Music Recommendation", International Journal of Pure and Applied Mathematics, Feb-2018,Vol.118, No.18, pp: 2387-2400. (IF : 0.635)

- Jeyalakshmi J, Poonkuzhali S, Sree Subha S and Mohana E,"Streaming Classification Hoeffding Tree of Diabetes Mellitus using Boosting", International Journal of Pure and Applied Mathematics, Feb-2018, Vol.118, No.18, pp: 1857-1865. (IF : 0.635)

- G.Anitha, S.Baghavathipriya, "Posture Based Health Monitoring and Unusual Behaviour Recognition System for Elderly using Dynamic Bayesian Network", Cluster Computing-Springer,Feb-2018, pp: 1-8. (Annexure –I, IF :2.040)

- S.Vinod Kumar and S.Poonkuzhali,"Improvising the Sales of Garments by Forecasting MARKET Trends using Data Mining Techniques", International Journal of Pure and Applied Mathematics, Vol. 119, No.7, 2018, pp: 797-805 (IF : 0.635

- M. Kathiravan, "Online opinion mining system to predict the quality of state uniform system of education", The online journal of distance education and e-learning, Jan-2018, Vol.6, No.1, pp:45-59. (Annexure – I)

- Vijayaraj. A, Suresh R. M., and Poonkuzhali. S , "Load Balancing in Wireless Networks using reputation- ReDS in the magnified distributed hash table", Multimedia Tools and Applications – Springer, DOI 10.1007/s11042-018-5620-6 , 2018 (Annexure –I, IF :1.530)
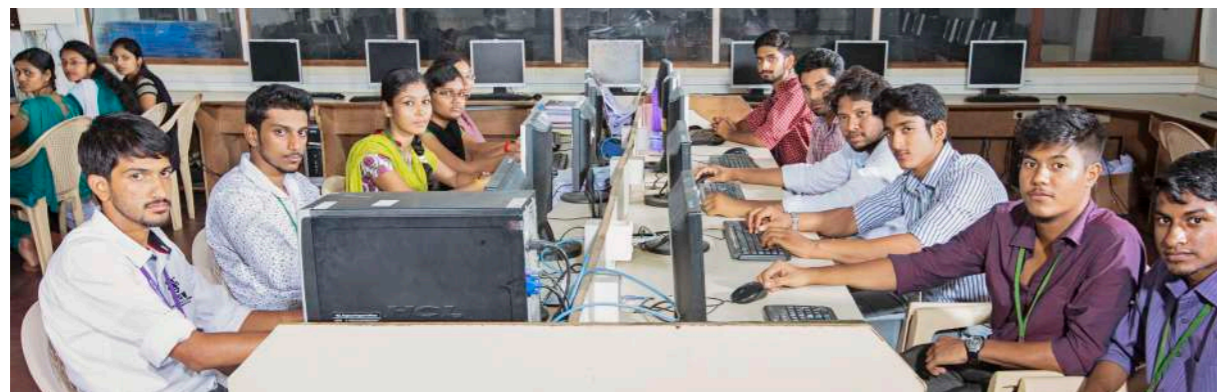
AWARDS & RECOGNITIONS

- Received REC Best Department Award (2014, 2015,2017).
- Received Best Student Branch Award from Computer Society of India (CSI) since 2010.
- Mr. G.Rajesh Kannan received CSI Active Participation Youth Award (2017).
- Dr. V.Prasanna Kumari received Certificate of Appreciation for instrumental role as SPOC by NPTEL Local Chapter on 21st Jan 2018.
- Mr.G.RajeshKannan, Mr.R.Chithambaramani and Mr.R.Babu was awarded the Faculty Excellence Award 2017 by Infosys.
- Joel Peter.H & Magalakshmi.V received TCS Best Project Award for the project titled "ARMADILLO - A DISASTER RELIEF IoT MACHINE" supervised by Ms.J.Jeyalakshmi.
- Yogeshwaran R, Tasbiya C, Vignesh M, Showdhamini, Sabareesh S and Srinivasan K emerged as one of the top six teams under Ministry of Electronic and Information Technology at the Smart India Hackathon 2017 Grand Finale held on 01-04-2017 and 02-04-2017.
- Smruthi P.V and Ravi Subramanian secured First Place for their project titled " Farmer Donation App" in the program Hack2Help conducted by Learning Life Foundation at IITM research park on 07-04-2017 and 08-04-2017.
- Sudharsan P, Shyam Sundar V, Vignesh C and Sowmiya R secured Third Place for their project titled " Smart Cap" in the program Hack2Help conducted by Learning Life Foundation at IITM research park on 07-04-2017 and 08-04-2017.
- Sudharsan P, Shyam Sundar V, Vignesh C and Sowmiya R won the Best student team at Save the Hacker 2017 conducted by Fresh Desk.
- S.Vaishali, K.Vaishnavi and D.A.Nageshwari won the FIRST PRIZE in Food Share – Hackathon at Sri Visnu Engineering College for Women on 06-03-2017 to 08-03-2017.

M.E. SOFTWARE ENGINEERING

Software Engineering plays a significant role, in development and maintenance of complex, scalable software systems. It helps to design and experiment with software prototypes and software metrics. The students communicate effectively through portal and written reports, and software documentation. It also helps to demonstrate professionalism including continuous learning and professional activities. The students are guided in the development, adoption and sustained use of standards of excellence for software engineering practices.

Ph.D. AND M.S. (BY RESEARCH) PROGRAMMES

The department is an approved research centre by Anna University, for carrying out M.S.(by research) and Ph.D. degrees. Many research scholars have obtained Ph.D. and many more are presently under going Ph.D. programme. The department of Information Technology has well qualified faculty members and good infrastructural facilities to guide these research programmes and the areas of research being Cloud Systems, Data Analytics, High Speed Network, Network Security, ICT for Special Education. The faculty guides and research scholars regularly publish their research work in the high impact factor International journals and present their research paper also in the reputed International Conferences.

MECHANICAL ENGINEERING

VISION
To provide a world class mechanical engineering education through innovation and excellence in Teaching and Research

MISSION
To impart high quality technical education and develop Mechanical Engineers with all round knowledge of multi-disciplinary branches of engineering and technology to foster skill sets required to be a global professional in the areas of Industry, Research and Technology Management.

B.E.MECHANICAL ENGINEERING

Mechanical Engineering is one of the major disciplines in the engineering profession and its principles are involved in the design, study, development and construction of nearly all of the physical devices and systems.

The mechanical department is continuously striving to achieve excellence in education, academic and industry oriented research as well as consultancy work with service to the society. The department has an excellent industrial interaction and contributes to the industry by offering its consultancy services.

IN-PLANT TRAINING

In-plant Training provides industrial exposure to the students to help them understand the rigour of the industrial requirements. After the successful completion of the programme students have to face this compettitive world with the knowledge to solve problems and find the right solutions in the minimum duration of time. The students under go training in the following companies:

- Accurate Steel Forging India Ltd.
- Ashok Leyland
- Asian Paints Pvt. Ltd.
- Bosch Electrical Drives
- Brakes India (TVS)
- CVRDE
- Engine Factory, Avadi
- Ennore Thermal Plant
- Hyundai Motors India
- Integral Coach Factory
- K C P Limited
- Kun - BMWS ervice Station
- Kuwait National Petroleum Company
- L & T Engineering Workshop

- Lucas TVS
- Madras Atomic Power Station
- Motherson Automotive Technologies & Division
- Neel Industries Pvt Ltd
- Neyveli Lignite Corporation Ltd
- Royal E
- S.A.I.L
- S.K.I Carbon Black Pvt. Ltd.
- Simpson & Corporation Limited
- Switching Technologies Gunther Ltd
- Syngenta India Limited
- Tamil Nadu Newsprint & Papers Ltd
- TVS - Wheels India
- TVS Brakes India Ltd.
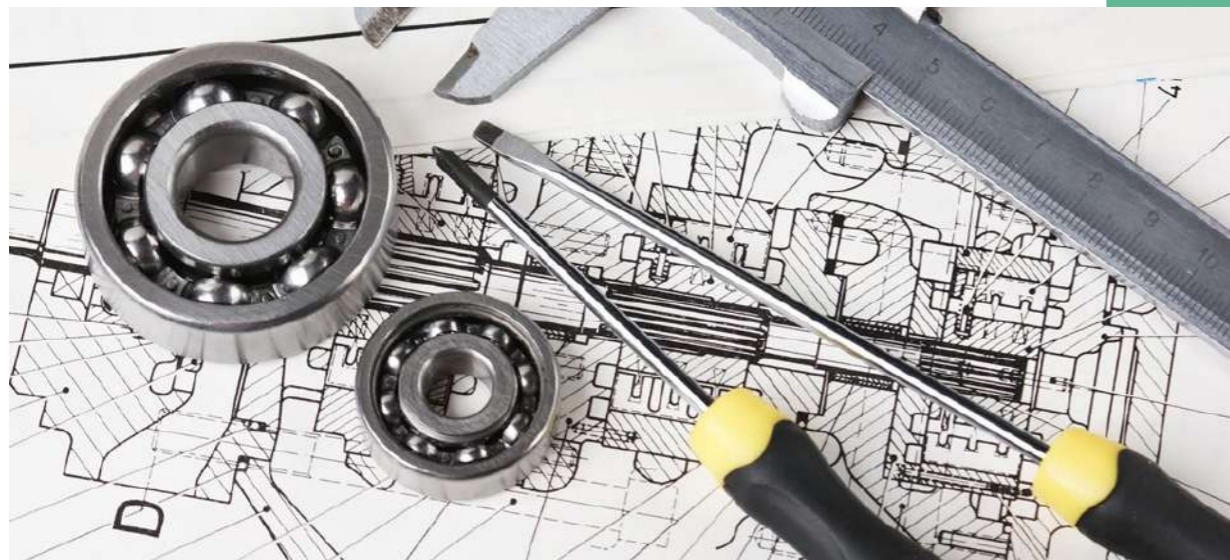
Students attended Internship in various Institutes abroad to get global exposure

1. SABARISH ELANGO (MECH IV) Dr.HELMUT DINGER, RWTHAACHEN UNIVERSITY, GERMANY. (19.06.17 - 30.06.17)

M.E. ENGINEERING DESIGN

Engineering Design is one of the earliest and highly valued post graduate courses in Mechanical Engineering. The ultimate goal of the designer is to size and shape the machine elements, choosing appropriate materials and manufacturing processes so that the designed element can perform its function without failure.Objectives of the courses offered in first semester are to learn and practice advanced concepts in mathematics such as computational methods, tensor analysis, Fourier transform etc., Also, the students acquire knowledge on design fundamentals, material properties, material selection and knowledge about customer oriented design. The students also learn the role of computers in design such as importance of computer graphics and visual realism in CAD modelling and analysis. Concepts about robust design, embodiment principles, various methods in design of experiments, reliability charts and histograms and six sigma techniques are also included in the curriculum. Apart from this, students are motivated to accept professional responsibilities with confidence and to understand the design of various mechanical systems. The department has a well equipped CAD laboratory with state of the art software and hardware facilities. A Flexible Manufacturing System laboratory with CNC machines, AGVS, ix axis robots are also available to demonstrate the flexible manufacturing systems concepts.

M.S. (By Research) and Ph.D. Programmes

The department of Mechanical Engineering of Rajalakshmi Engineering College has been recognized as one of the approved research centres of Anna University, Chennai. Research scholars can register for M. S (By Research) and Ph.D. programs. There is a provision to pursue research under both full time and part time modes and faculty members working in any one of the colleges affiliated to the University are normally eligible under the part time mode. At present there are five recognized supervisors and eighteen research scholars are pursuing their Ph.D & M. S programmes in the department. The areas in which the scholars are working now include thermal management of electronic systems, CFD, Composite, Nano Composite and Fluids, Surface Engineering, and Optimization and so on.

LIST OF RECOGNIZED SUPERVISORS

1. Dr. G. Thanigaiyarasu   2. Dr. S. N. Murugesan   3. Dr. N. Venkateshwaran
4. Dr. Natteri M Sudharsan   5. Dr. R.Shanthi

ALUMNI

1. Mr. P L Krishnamoorthy (2014) Higher Studies (MS), University of Houston.

2. Mr. P. Vinayakamoorthy (2002) Sri Durga Engineering works & Sri Durga agro Exports

3. Mr. P. Yuvaraj Kumar (2002) Vice President AP tools Chennai.

4. Mr. P. Poovannan (2013) Deputy Manager, In-house Quality Audit – Central Quality, Ashok Leyland, Chennai.

5. Mr. S. Vikram (2011) CFD Engineer, L & T Integrated Engg. Services.

6. Ms. N. Gayathri (2012) L&T Integrated Engg. Services.

7. Ms. T. Divya (2012) Higher Studies (Ph.D) – Purdue University, US.

8. Mr. B. Arvindh (2013) Higher Studies (M.S) – Wright State University

9. Mr. V.Solaikumar (2013), Associate Consultants (AP – Philips), Wipro Tech., Bangalore.

10. Mr. S. P. Vikram (2010), Project Trainee, R&D, Lucas, Chennai.

11. Mr. N.R. Krishnaprasad (2014). Higher Studies (MS), University of Toronto.

12. Mr. M. Sai Venkatesh, Deputy Manager, Vehicle Dynamics Attribute Engg – PD, Ashok Leyland.

Alumni Association is administered by an Alumni Committee. The alumni association is very active in promoting interactions and camaraderie among the alumni, staff and the management. Besides helping the alumni in all possible ways, it also lends its support to the college to achieve its cherished goals, its vision and mission.

RESEARCH PROJECTS
Details of Proposals sanctioned by UGC under Minor Research Project Scheme.

Sl.No	Investigator Name	Project Title	Funding Agency	Amount	Academic Year
1.	Dr. Natteri M Sudharsan & Mr. P. Chandrasekar	DEVELOPMENT AND EVALUATION OF ROTATING NOZZLE FOR DIESEL ENGINE	DRDO-CVDRE	17,67,645	2017-18

DISTINGUISHED ALUMNI

Sl.No	Year	Name	Current Designation	Name of the Organization
1.	1998-02	Vinayagamoorthy	CEO	Agro Foods India Ltd
2.	2004-08	Srivatsan P	Sales Manager, Heavy Vechicle Division	Ashok Leyland, Chennai
3.	2010-14	Mr. Jaikanth Mr. S. Harish	Co Founder	Infinite Engineers

SURFACE MODIFIED ROLLER BURNISHING OF AL-SIC COMPOSITES

WC ROLLER BEFORE COATING
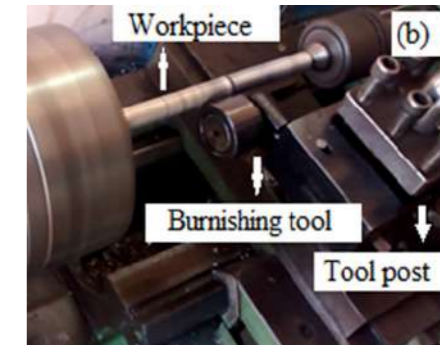
BURNISHING TOOL MOUNTED ON LATHE

SURFACE MODIFIED ROLLER BURNISHING OF AL-SIC COMPOSITES
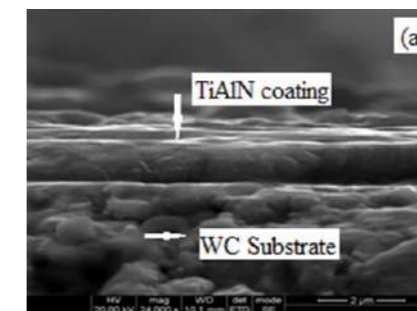
CROSS SECTIONAL VIEW OF THE COATED ROLLER
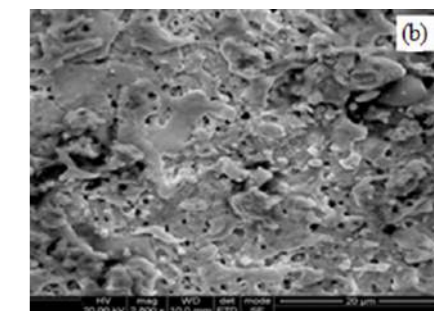
SURFACE OF TIALN COATED ROLLER

VIBRATION ANALYSIS OF NANO CLAY FILLED NATURAL FIBER COMPOSITES

ATALON FREE VIBRATION SETUP

MECHATRONICS ENGINEERING

VISION

To attain excellence in academics, research and technological advancement in Mechatronics Engineering with a concern for society.

MISSION

To impart high quality professional education and produce Mechatronics Engineers with all round knowledge of multi-disciplinary branches of Engineering and Technology. To foster skill sets required to be a global professional in the areas of automation, intelligent systems, robotics, research for technology management and to fulfill the expectations of industry and needs of the society. To inculcate entrepreneurial qualities for creating, developing and managing global engineering ventures.

B.E. MECHATRONICS ENGINEERING

B.E. Mechatronics Engineering was introduced in the academic year 2015-2016 in direct response to the industrial demand for engineers with multi-disciplinary skills. Mechatronics is a synergistic blend of mechanical, electrical, electronics, computer science, information technology, and control systems to design, execute and maintain products with intelligence. Mechatronics has a wide range of applications from Industrial Automation to bio medical. Robotics can be viewed as a subdivision of mechatronics that focuses on sophisticated control of mechanisms with mobility. Mechatronics engineers create and improve automated processes and they are well-known for their strong logical and problem-solving abilities and find employment in a wide range of domains.

FACILITY IN THE DEPARTMENT

The Department has well experienced faculty members with a blend of industrial and academic exposure. The Department imparts practical knowledge in the areas of mechanical, electronics, design, manufacturing with the state of the art facilities. We aim at inculcating entrepreneurial qualities for creating, developing and managing global engineering ventures. This program teaches the aspect of system modeling, sensors, controllers, actuators with real-time computer interface. The students will be able to gain the knowledge of manufacturing processes and run factory production lines with computer, PLC, industrial sensors, controllers, hydraulic, pneumatic and electric drives, and design mechanism of mechanical structures. For the course delivery, the faculty members use NPTEL lectures and other video presentations using LCD Projectors. Real-time demo is also given wherever needed. There is also a library in the department with text and reference books needed by the faculty and students.

JOBS ARENA

After the completion of the course, students have wide range of opportunities to serve in different industries, few of which are listed below.
• Aerospace applications.
• Assembly and Packaging industries.
• Automotive engineering, automotive equipment in the design of subsystems such as anti-lock braking systems.
• Computer aided and integrated manufacturing systems
• Computer Aided Engineering.
• Computer-machine controls, such as computer driven machines like CNC milling machines, CNC water jets, and CNC plasma cutters etc.
• Data Analytics.
• Engineering and manufacturing systems.

• Expert systems • Home Appliances • Industrial Automation and robotics.
• Internet of Things.
• Machine vision (Automatic inspection based on Imaging for industries such as tyre, rubber, FMCG and Automotive).
• Medical Instruments, Robotic Gait Training system for stroke patients.
• Medical mechatronics, medical imaging systems.
• Microcontrollers, PLCs integration with real-time applications.
• Sensing and control systems • Servo-mechanics.
• Structural dynamic systems • Textile Industries.
• Transportation and Automotive Engineering.

Apart from serving in industries, mechatronics engineers can establish their own business/firm/company for study, design, implementation and maintenance of automation for various industries.

SCOPE OF HIGHER EDUCATION

There is also a wide scope for taking up post graduate courses in Mechanical, Electrical, Electronics and allied specializations and also research programmes in thrust areas. Mechatronics Students are given assistance in the preparation for taking up GATE examination, which now-a-days is insisted not only for admission to PG degree and also for entry into public sector undertakings. Students are also guided in choosing universities abroad, based on their interest in going in for certain specializations in upcoming areas. After the completion of B.E. programme, Mechatronics students enter into MBA also.

STUDENTS ACHIEVEMENTS

• Gowtham Kumar has won a 2nd place in Venture 2k17- Business Hackathon
• Jagadeesh R received a certificate of appreciation under the event Robo war organised by Chennai Institute of Technology

WORKSHOP CONDUCTED BY THE DEPARTMENT

• Dr. V. Santhanam , Mr.S. Vinoth Kumar and Mr. S. Ram kumar have conducted a Five days Advanced Training on Design & Fabrication of Affordable CNC Machines from December 12, 2017. At the end of the workshop the students gained comprehensive knowledge on wide range of topics such as Machine design, Design of Transmission Systems, Electrical drives, Stepper Motors and controls, Arduino programming, CNC Programming (G Code and M Code), GRBL software and Embedded Programming.
• Two days hands on workshop on Robotics titled "Integrated Bluetooth controlled Pick and Place Buggy" on 12 and 13 March 2018.

INDUSTRY COLLABORATION

Centre for Factory Automation and Robotics was established in association with CDCE Automation, Chennai to impart training in Industrial Automation and Robotics for the students.

PUBLICATIONS

A few recent papers published by the students and faculty of the department.

JOURNALS

• Kumar, T. V., Chandrasekaran, M., Santhanam, V.,& Udayakumar, N. (2017, March). Characterization of Nylon 6 Nano Fiber/ E-Glass Fibre Reinforced Epoxy Composites. In IOP Conference Series: Materials Science & Engineering (Vol. 183, No. 1, p. 012002). IOP Publishing.

• Kumar, T. V., Chandrasekaran, M., Santhanam, V.,& Sudharsan, V. D. (2017, March). Effect of Coupling Agent on Mechanical Properties of Palm Petiole Nanofiber Reinforced Composite. In IOP Conference Series: Materials Science and Engineering (Vol. 183, No. 1, p. 012006). IOP Publishing.

• Karan Kumar Jalan O.,Anand A.S.,V. Santhanam, (2017),"Design of Impeller and Analysis of Flow in Centrifugal Pump", International Journal Of Advanced Research Trends In Engineering And Technology, Volume 4, Special Issue 16.

• Palanikumar Vimalanathan, Narayanan Venkateshwaran and Vajjiram Santhanam. Experimental Investigation Of Mechanical And Viscoelastic Properties Of Acacia Nilotica Filler Blended Polymer Composite (Accepted), Polymer Composite, 2016 Wiley Publication. Impact Factor:2.004

• P. Vimalanathan, N. Venkateshwaran and V. Santhanam. Mechanical, Dynamic Mechanical and Thermal Analysis of Shorea Robusta Dispersed Polyester Composite. International Journal of Polymer Analysis and Characterisation, Vol 21(4), 314-326 (2016). Impact Factor : 1.264

• R. Giri and M. Kanthababu, Generating complete disassembly sequences by utilising two-dimensional views International Journal of Production Research, 2015.

• V.Santhanam, Dr.M.Chandrasekaran, N.Venkateshwaran. Effect of fibre parameters on the mechanical properties of Banana-Glass fiber hybrid composites. Applied Mechanics and Materials Vols. 592-594 (2014) pp 202-205.

CONFERENCES

• V. Santhanam, N. Venkateshwaran, Influence of fly ash as filler on mechanical and viscoelestic behavior of banana fibre reinforced polyester composite, Second Indo- Brazil Bilatral International conference on advanced materials & Processing – amp17.

• Karan Kumar Jalan O., Anand A.S., V. Santhanam, "Design of Impeller and Analysis of Flow in Centrifugal Pump", National Conference on Recent Advances in Mechanical Sciences, Rajalakshmi Engineering College, 28-29 April 2017.

• RAJKUMAR R, Panneerselvan S & Eswaran A, Experimental analysis of mechanical characteristics of Kenaf -human hair reinforced composites, Int. Conf on Science & Innovative Engineering, Jawahar Engg. College, Chennai, 2016.

• SUDHARSAN VD, Santhanam V & Vasumathi V, Effect of coupling agent on mechanical properties of palm petiole nano fiber reinforced composite, Int. Conf on Science & Innovative Engineering, Jawahar Engg. College, Chennai, 2016.

• UDAYAKUMAR N, Santhanam v & SeethaLakshmi K, Mechanical properties and analysis of nylon6/E glass fibre reinforced epoxy composites, Int. Conf on Science & Innovative Engineering, Jawahar Engg. College, Chennai, 2016.

• VASANTH ROY J, R Giri, Fatigue life estimation of simple and double lap bolted joints, Int. Conf on Science & Innovative Engineering, Jawahar Engg. College, Chennai, 2016.

INDUSTRY INSTITUTE INTERACTION CELL

Students are taken for industrial visits to give them an exposure on the industrial practices in the field of their specialization. Some of the industries they visit are: MTAB Ltd, Chennai, CIPET, Guindy, Ennore Thermal Power Plant, Chennai, Ashok Leyland, Chennai, Neyveli Lignite Corporation, Neyveli, Tiruttani Cooperative Sugar Mill Ltd, Thiruvalangadu, KKM Soft Pvt Ltd, Wheels India Pvt. Ltd, Chennai, Caterpillar Industries Pvt. Ltd, Addison and Co., Chennai. The teachers also go on sabbatical training to industries to gain practical knowledge which can then be used to supplement the theoretical input given to the students in the classrooms.

IN-PLANT TRAINING

Students also undergo in-plant training during summer and winter vacations to enhance their practical knowledge. Some of the organizations they choose are: Ashok Leyland Ltd., Chennai, Titan Industries Limited, Hosur,Integral Coach Factory, Chennai, Bharat Heavy Electricals Ltd., Ranipet,Larsen & Turbo Limited (Construction Division), Chennai, Neyveli Lignite Corporation Limited, Neyveli, Lucas - TVS (P) Ltd., Chennai; Delphi - TVS (P) Ltd., Sriperumbudur,Bosch Ltd., Bangalore,Johnson Electric Pvt. Ltd., Chennai, Chennai Port Trust, Chennai, Brakes India Limited. Chennai.

PRIZES / AWARDS AND RECOGNITION

Students actively participate in technical competitions and paper presentations conducted by the college and also by outside institutions and regularly win awards. They also secure professional society awards such as Indian Society of Technical Education, The Institution of Engineering and Technology.
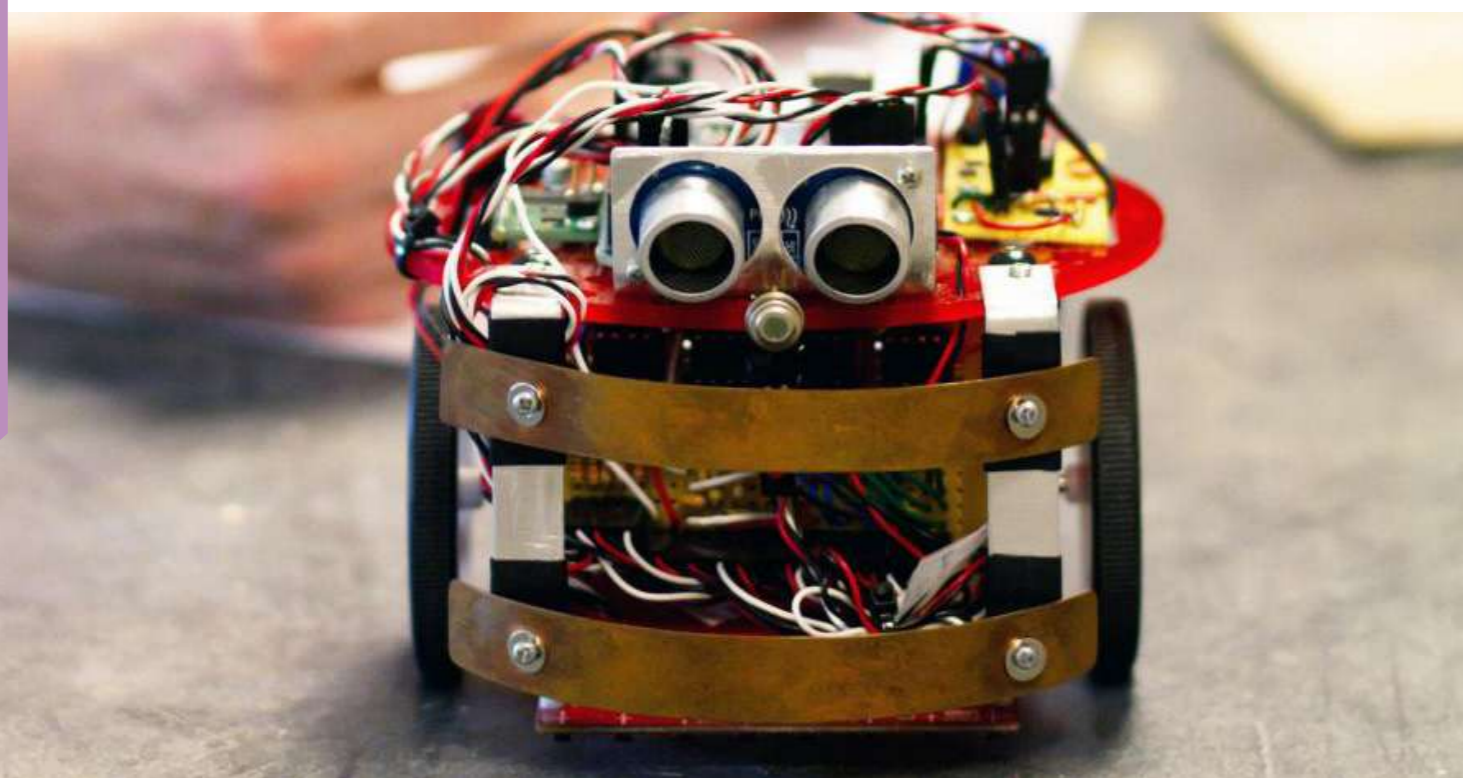
HUMANITIES AND SCIENCES

VISION

To become a Department of Excellence in Mathematical education, Physical Sciences, Research and Development and Setting the standards of Excellence in Communication skills and preparing the learners to meet the challenging trends in the professional career.

MISSION

The Department is Committed:

- To impart high quality education in Applied Mathematics and Physical Sciences at various levels of programmes in engineering and technology.
- To build confidence in engineering students in using mathematical and scientific tools for designing industrial products and systems in a better, faster and effective way.
- To improve the Communication Skills of engineering students and make them suitable for employment.

DEPARTMENT OF HUMANITIES AND SCIENCES

The department of Humanities and Sciences was established in the year 1997 and it has emerged as a department pursuing excellence. The department has a team of highly-qualified and well-experienced faculty members and non-teaching staff. Many faculty members are experts in some of the emerging fields of Mathematics and Physical sciences and have made significant contributions in their own fields. The aim of the department is to broadly educate aspiring engineering students in the basics of Mathematics, Physics, Chemistry & English which serve as a platform for the growth of students in their further study of Technical subjects. The strength of the department lies in the perfect synchronization of knowledge and skills. The major motivating factor of the department is the commitment and team work that is exhibited in the teaching – learning process. Extra care is given by special coaching class during weekends and crash course closer to the University Examinations, tailor – made to suit the needs of all types of students. Adding a feather to the cap of the department is the recognition by the Anna university as a research centre in Mathematics & Chemistry.

FACULTY ACHIEVEMENTS

- Dr. N. Hema has been nominated as Tamil Language Champion to participate in the Oxford Global Languages Programme by Oxford University Press.

- Dr. N. Hema, Professor / English has been selected by the Government of Tamil Nadu as a member for drafting syllabus in English for both secondary and higher secondary board of education , Government of Tamil Nadu.

- Mr. M. Anandraj / Physics own best oral presentation award in the National Conference "Recent Trends in Physics of Materials (NCRTPM-2018)" organized by Pachaiyappa's Collage, Chennai during 09 – 10 Feb. 2018.

- Dr. D. Udhayakumari / Chemistry received International Women Researchers Connect and Awards. 2018 for the Highest Research paper publication in Chemistry from Arunai International Research Foundations, Thiruvannamalai.

PUBLICATIONS

The faculty members of the department extensively involve in publishing papers in Journals of repute. Given below is sample list of publications by the faculty members.

- B. Latha, P. Kumaresan, S. Nithiyanantham & K. Sampathkumar, "Spectroscopic, Homo-Lumo and NLO studies of tetra fluoro phhalate doped Coumarin crystals using DFT method", Journal of Molecular Structure, Vol. 1142, 19th April 2017, Impact Factor 1.78 with Scopus, PP. 255-260.

- R. Sreedevi, G. Saravana Kumar, K. Amarsingh Bhabu, T. Balu, P. Murugakoothan, T.R. Rajasekaran, "Growth, structural, optical, mechanical and quantum chemical analysis of unidirectional grown bis (guanidinium) 5-sulfosalicylate (BGSSA) single crystal", Physica B: Condensed matter, Dec. 2017, Impact Factor 1.38 with scopus, PP: 21-28

- B. Latha, P. Kumaresan, S. Nithiyanantham & K. Sampathkumar, "HOMO-LUMO analysis of multi walled carbon nanotubes doped Tetrafluoro Phthalate crystals for nonlinear optical applications", Journal of Molecular Structure, Vol. 1152 , Jan. 2018, Impact Factor 1.78 with Scopus, PP: 351 – 360.

- B. Jothimani, S. Suresh Kumar & B. Venkatachalapathy, "Hydrophobic structural modification of chitosan and its impact on nanoparticle synthesis - A physicochemical study", Carbohydrate Polymers, Vol. 173 (2017), 12th June 2017, Impact Factor 4.8 with Scopus, PP. 714-720.

- S. Mohandoss, S. Suresh kumar, V. Balasubramani, B. Venkatachalapathy, T.M.Sridhar, "Bioinert nano yttria stabilized zirconia coatings on 316L SS for dental applications", Journal of Ceramic Processing Research, Vol.18, No. 4, August, 2017, Impact factor 0.28 with Scopus, PP. 313-319.

- S.Mohan, P. Navamani, K. Jayamoorthy & N. Srinivasan, "Nano-Silica Catalyzed Synthesis, Solvent Effect, NMR Spectral and DFT Studies of Some Imidazole Derivatives", Silicon, Vol. 9 - Issue 6, August, 2017, Impact factor 0.6 with scopus, PP. 817 – 822.

- Dr. D. Udhayakumari, "Chromogenic and fluorogenic chemosensors for lethal cyanide ion. A comprehensive review of the year 2016", Sensors and Actuators B: Chemical, Vol. 259(2016), Dec. 2017, Impact factor 5.401 with Scopus, PP: 1022 – 1057.

- V. Vasumathi, J. Santhanalakshmi, "Fluorescence Quenching of ß - Casein by Silver Nanoparticles and Copper Nanoparticles in Presence of Sugars: A Quantitative Exploration", Asian Journal of Chemistry, Vol. 30, No. 2, 2018, Impact Factor 0.247 with Scopus, PP- 359 – 364.

RESEARCH PROGRAMMES

The department offers research programmes in Mathematics and Chemistry. There are eight candidates pursuing Ph.D in our research centres. The striking feature of the department is the sophisticated equipments available in the R&D wing of the Chemistry laboratory such as the Electro spinning machine, Fluorescance spectro photo meter Biologic electro chemical work station, Double disc polishing machine and Ultra solicitor. These unique and special equipments can be used extensively to support the research and advanced learning of chemistry.

The following faculty members have been recognized by Anna University as research supervisors.

1. Dr. B. Sivakumar   - Mathematics

2. Dr. P. Ragukumar   - Mathematics

3. Dr. P. Vasudevan   - Physics

4. Dr. Rubarani P.G   - Physics

5. Dr. S. Jayakumar   - Chemistry

6. Dr. P. Ramadevi   - Chemistry

As a part of research activity, the faculty members extensively involve themselves in doing research projects in Chemistry. A total sum of Rs. 56.5 lakhs has been sanctioned towards various funded projects from UGC , AERB and AICTE, which encourages faculty to improve their research activity and impart their knowledge to the research scholars.

FACILITY IN THE DEPARTMENT

The department has spacious, well equipped and fully furnished laboratories in Physics, Chemistry and Communication skills. The Physics and Chemistry laboratories have sophisticated major and minor equipments which can cater to the academic needs of the undergraduate and post graduate students of the institution. The laboratory can support students help them in their final year projects also. The Communication in skills laboratory meets the challenges of the ever changing needs of the globalized world, in terms of acquiring language skills Students are trained in Group Discussions, Presentations and Interview skills in order to make them employable.

The department has an in house library which has nearly 1000 books. These books, pertaining to Mathematics,Physical Sciences and English are contemporary and examination - oriented. Both faculty members and students have an access to these books and they serve as an aid to the academic pursuits of interested candidates. Efforts are made Efforts are made to constantly. to constantly renew and update the collection with the latest editions of reference books.

The Department has made tremendous progress technologically. Every faculty members is provided access to the Internet. This facilitates sharing of knowledge and information which plays a significant role in upgrading and enriching research work.

Teaching and Research should go hand in hand. The faculty members of the department actively participate and present papers in conferences and attend programmes such as workshop, seminar, FDP etc.. Various guest lectures and industrial visits are arranged for the students to acquire practical knowledge in their course of study.

M.B.A. (MASTER OF BUSINESS ADMINISTRATION)

VISION

- To create a centre of managerial excellence.
- To provide management education and training to the student community.
- To serve the society with proficiency and human values.

MISSION

- To provide quality management education to young aspiring management students by continuously improving the teaching-learning process with the help of the dedicated faculty.
- To create opportunities to the management students to develop their talents, creativity and global competence.
- To promote research and development in management by the staff and students for the benefit of the society.

HIGHLIGHTS OF THE DEPARTMENT

- The department was established in the year 2002 and accredited by NAAC.
- Rated A+ by Business India
- Classified as leading Business School by Dun & Bradstreet
- Rated A by CRISIL.
- The department consistently produces university ranks (So far 49 University Ranks)
- The Program is affiliated to Anna University Chennai.
- We offer four specializations which are dual in nature like Finance, Marketing, HR and Operations.
- 16 Qualified and experienced faculty members headed by alumnus of IIM, 7 Doctorate holders and 5 are pursuing doctorates. The faculty members have rich experience in Industry as well as Academia.
- The department takes pride in publishing the bi-annual International Journal on Global Business Management and Research (IJGBMR) since august 2012 (Indo-European).
- Our MBA students are exposed to online share trading through Patterson Securities Pvt Ltd.

RECRUITING COMPANIES

S. NO. NAME OF THE COMPANY	S. NO. NAME OF THE COMPANY	S. NO. NAME OF THE COMPANY
1. Redington	11. HDFC Bank	21. TATA Consultancy Services
2. Bajaj Capital	12. City Union Bank	22. Ramco Systems
3. Toshiba	13. CSC India	23. HCL
4. BNP Paribas Bank	14. Deutsche Bank	24. BNP Paribas
5. JK Tyres	15. JKM Automotives	25. India Cements
6. Royal Bank of Scotland	16. SONY	26. Madura Coats
7. Wipro – BPO	17. AASHI Glass	27. Reliance Communications
8. Axis Bank	18. Covenant HR	28. Nokia
9. HSBC Bank	19. Hyundai Glovis	29. India Infoline
10. Jaro Education	20. Hyundai Glovis	30. ICICI

EVENTS & CONFERENCES

1. An in-house employability program was organized for 2nd year Mba students from 29th June to 1st July 2017.

2. A college level team constituting of 9 faculty members visited Ashok Leyland on 25th July 2017 to understand the manufacturing process and to identify possible ways of Industry-Institute-Interaction. [ORGANIZED BY MBA DEPARTMENT]

3. As an initiative, to enhance our quality in terms of students & Faculty development a team from MBA constituting of 3 faculty members and 3 students visited TI-Diamond chain on 22nd August 2017 to understand the manufacturing process and to identify possible ways of Industry-Institute-Interaction.

4. A visibility program on "Career guidance" was conducted at Bakthavatchalam memorial college for women,Chennai on 25th September 2017.

5. A Guest Lecture on "Relevance of Management subjects in Industries" was organized on 21st Nov 2017. Mr.Kailasa giri, Senior Manager, TI Diamond Chain, Ambattur.

6. A National level workshop on Structural Equation modeling using AMOS was organized on 27th & 28th October 2017. Resource person- Dr. R. Kasilingam, Associate professor, Pondicherry university, Pondicherry.

7. Awareness program on Entrepreneurship was conducted by our department at REC for "Final year arts and science undergraduate students".

8. Awareness program on Entrepreneurship was conducted by our Dr. T.C.Thomas, and Mr. S.Suresh at Womens' Christian college in January 2018.

9. Awareness program on Entrepreneurship was conducted by our Dr. T.C.Thomas, and Dr.G.Sankararaman at Rajiv Gandhi College of Engineering on 13th March 2018.

10. An International conference on "Economic Transformation with Inclusive Growth" was organized on the 30th and 31st January 2018.

UNIVERSITY RANKS

The MBA department was started in the year 2002 and it has secured 49 university ranks so far till 2016.

MoUs SIGNED WITH INDUSTRY

- TI-Diamond Chains Pvt Ltd (The Murugappa group)
- MDP conducted in SAIL
- Consultancy Projects in Mando Brakes

IN-PLANT TRAINING:

- BHEL • Aavin • Delphi TVS • Malladi Drugs • Big Bazaar
- Asian Paints • MTS • JK Tyres • Gre -Edge • Bajaj Capital

TEACHING METHODOLOGY

In addition to the chalk-and-talk, several modern and relevant pedagogical methods are employed

- Case studies in all functional areas
- PPT Presentations
- Management games
- Quiz
- Role play Presentation by students in seminar classes Assignments

* Short-duration projects

INDUSTRY NSTITUTE INTERACTION

- Regular guest lectures by industry experts in different functional areas
- Periodic visits to industries by students
- Regular interaction with MMA, CII etc

SKILLS ENHANCEMENT FOR BETTER EMPLOYABILITY

Students attend soft skills enhancement program organized by the college every year. This program is held for a week in Yelagiri Hills, a hill station near Chennai. Students are trained in communication, team work, leadership development, attitude building etc.

ALUMNI SPEAK

1. My tenure can be described as enriching, challenging, inspiring and life changing.
   Life begins at the end of your comfort zone. This is my Biggest Learning at REC.

   Mr.Fabian Figrido Head HR

   (Healthcare and Insurance Divn.) TCS Chennai.

2. It helped me to gain more knowledge not only about the subject, but also about the future career path.

   REC is a great place to study.

   Ms.S.Gayathri., Sr. Associate

   (Custody) BNP Paribas - Chennai.

CAMPUS

LIBRARY

The College library is located in a spacious building. The library is open to students ans staff members from 7.30 a.m to 7.30 p.m on all working days. The ligrary has a rich collection of text books, reference books, national and international journals in all branches of Engineering, Science, Technology, Management and General Studies and the collection is ever increasing. The books are clasified according to Dewery Decimal Classification scheme. Open access systems is followed in the library

Mr. J. Benjamin Wilson
Librarian

PERIODICALS SECTION

The library has separate periodicals section and subscribes to 3773 Journals, 245 National and 3528 International Journals. The library receives Journals, News Letters regularly from organizations and societies like IEEE, ASME, ASCE, J-GATE, IETE, ISTD IEI, CII, NASSCOM, ESC, BHEL, CEERI, ERDA, BARC, NRDC, ISTE, ISRS, IAS, NISCAIR, CSI & Nuclear Power Corporation of india and provides the staff and students latest information in technical education, research and development activities. The library has subscribed to the complete package of AICTE prescribed E-Journal facility with campus wide access to all faculty members and students. This provides access to reputed journals across various disciplines of engineering and technology. Besides, NPTEL Learning Resources from IITs are also made available to faculty and students.

DIGITAL LIBRARY

A full-fledged Digital Library also functioning in the library. The Digital Library is a gateway to the world of e-resources and a one-stop for nascent information handling, transfer and a boon to the knowledge seeker.

E-RESOURCES

The subscribed e-resources are IEEE, ASME, ASCE Journals, Elsevier Science Direct, EBSCO Business Source Elite and J-Gate.

WI-FI FACILITY

Wi-Fi facility is available in the library. Wireless access points are provided for the students and staff to make use of internet & intranet.

REFERENCE SECTION

The reference section of the library has rich collection of International editions of reference books, hand books, conference proceedings, encyclopaedias and various reference documents.

BACK VOLUMES

Back Volume of Journals have been neatly bound and arranged subject wise for reference.

COMPETITIVE EXAMINATION STUDY SECTION

A number of books, text guides are available in reference section for competitive exams like GATE, Civil Service Exam, TOEFL, GRE, IELTS, CAT, MAT, GMAT and OJT.

ELECTRONIC LIBRARY

The Electronic Library section now has a rich collection of more than 3803 CD-ROMs.

AUDIO VISUAL SECTION

The Library has a separate Audio Visual Section to view NPTEL video lectures and video lectures of eminent professors of Foreign Universities.

INSTITUTIONAL MEMBERSHIP

The college is an institutional member of Anna University Library and Institution of Engineers (IEI) Library, Chennai to facilitate the staff and students to access books and Journals from these library also.

ONLINE PUBLIC ACCESS CATALOGUE (OPAC)

The library is equipped with computerised On-line Public Access Catalogue (OPAC) for searching availability of books and CD-ROMs. Barcode system is followed in all transactions.

VARIOUS FACILITIES IN THE LIBRARY

Various facilities available in the Library are Photo Copying Facility (Xerox), Scanning Facility, Internet Facility, Intranet Facility, Internet Connectivity with other leading libraries, Downloading / Copying Facilities, Multimedia, Current Awareness Service.
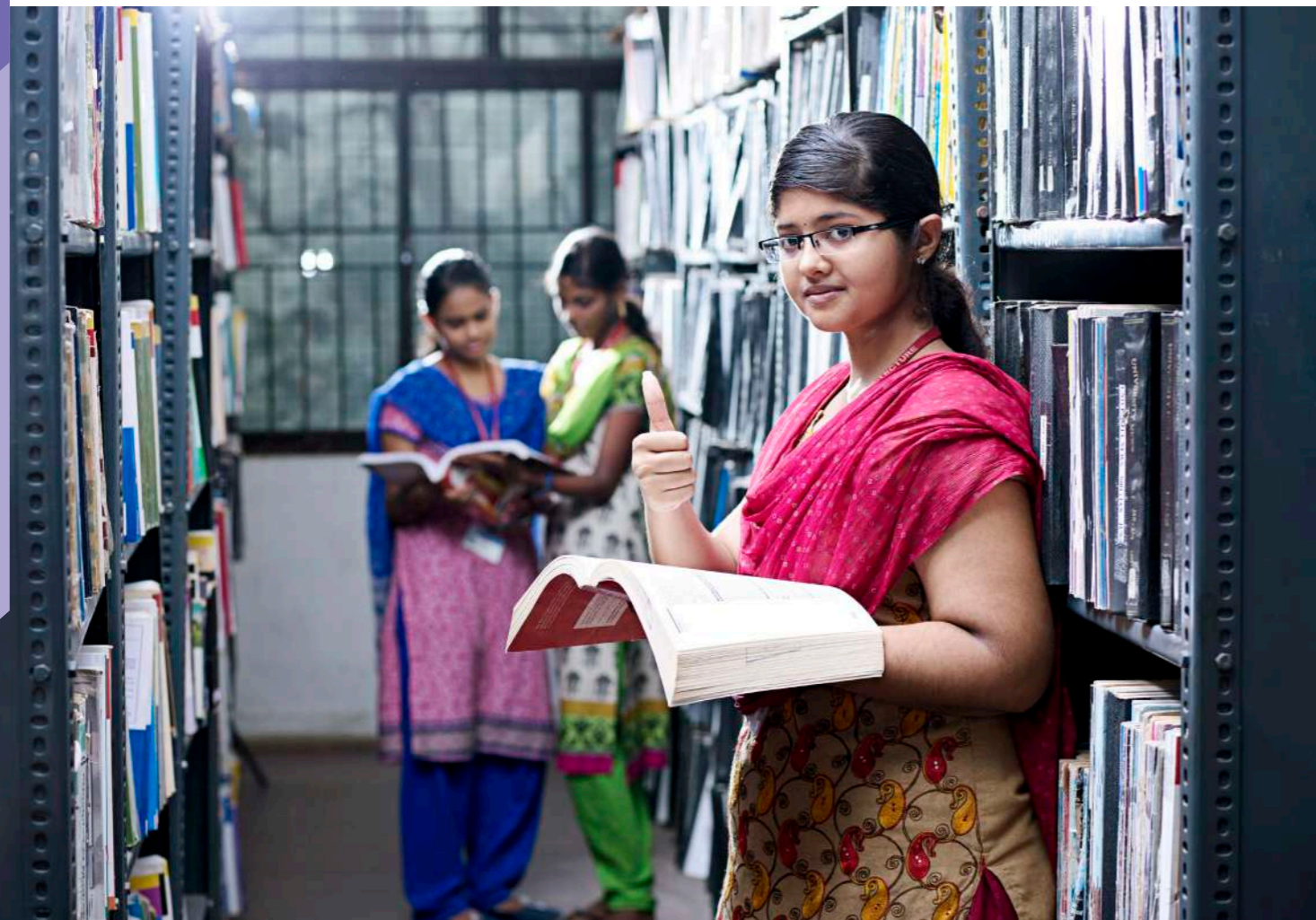
INTERNET

Our college has a dedicated internet lab that works 24 hours a day and 7 days a week. Free high speed internet access is provided for students, faculty and staff with individual logins. Fiber optic connectivity is available across the campus. The campus intranet has important details about test / exam schedules, time tables, campus news, etc. Students and faculty members also have access to the digital library and a pletheora of knowledge resources.

CAD / CAM CENTRE

The CAD/CAM centre has been established to cater to the training of all students with the latest CAD and CAM software. The software available include Auto-CAD, PRO-E, Mechanical Desktop, IDEAS, CATIA, ANSYS and CAM software such as ESPRIT, DENFORD CNC TUTOR. DANFORD CNC trainers namely the STARTURN & STARKILL machines are also available. Certification courses in the latest soft ware will be run for our students.

TRANSPORT

A full fledged transport department functions in the college with buses to provide transport facility to students and staff from various places. This service is offered to ensure hassle-free and safe transportation. Bus routes, boarding points and timings are provided in the website exclusively maintained by the Transport Department.- www.rectransport.com.

LABS

All the departments have well equipped and spacious laboratories, with latest sophisticated equipments on par with the premier R&D

institutions to conduct practical in the campus.

CANTEEN

Two canteens and a food court function within the premises of the college to serve hygienically prepared food to the staf and students. A subsidized mess is also operated in the campus. Separate messes for boys and girls have also been functioning in the respective hostels.

HOSTELS

We have separate hostels for boys and girls. Students are allowed to use their own computers in their hostel rooms. The hostels are equipped with a gym and recreation facilities too. Deputy wardens and resident faculty members are available round the clock in all the hostels.

CENTRE FOR SPONSORED RESEARCH & CONSULTANCY

Rajalakshmi Engineering College (REC) is a research focused Technical Institution. Ever since its inception in the year 1997, the Institutions has taken concerted efforts towards differentiating itself by encouraging Innovation and Research. A Research and Consultancy Advisory Board (RCAB) was constituted to strengthen research activities, enhance industry interaction and to foster industry relevant research. The RCAB at REC provides support and guidance to enable faculty and students to takeup research and innovative development relevant to industry as well as society. Recently, the Board has been re-constituted as a Centre for sponsored Research & Consultancy (CSRC) in the college. The Board is headed by Dr. Sundar and ably guided by Dr. C.R.Muthukrishnan, Chairman, SCRC. Major goals of CSRC include the following:

• Establish and Nurture Research Culture

• Develop and Augment Research Labs

• Encourage Sponsored Research & Enhance Facilities

• Provide Ambiance for State-of-the-Art Research

• Engage in Collaborative Research

• Pursue Focused Research towards International Expertise

RESEARCH AFFILIATION AND RESEARCH FOCUS

Over the years, most of the departments of REC have been brought into research fold through affiliation with Anna University research center. Currently, Nine Departments of REC have been approved and recognized as Research Centers by Anna University to offer MS (by Research) and Ph.D. Programs. These are: Mechanical Engineering, Computer Science & Engineering, Electrical & Electronics Engineering, Biotechnology, Chemistry, Electronics & Communication Engineering, Mathematics, Information.

Technology and Bio-Medical Engineering. The college is recognized as a "Scientific and Industrial Research Organization"

(SIRO) by the Department of Science and Industrial Research (DSIR) of Government of India. The College has obtained "12B" status from University Grants Commission (UGC) in 2013. These recognitions have enabled the college to seek funding from government sponsoring agencies to conduct research and development that are of national relevance and importance. Following broad areas highlight research strength built-up over the years at REC.

- MEMS and Micro-fluidics
- Machine Vision Applied to Industrial Quality Control
- Computational Fluid Dynamics
- Applied Nano-Technology
- Composite Materials Technology
- Product Design and Development
- Bio-Medical Image Processing
- Environmental Biotechnology
- Clinical Research
- Big Data Analytics
- Computational Intelligence
- Business Intelligence & Computing
- Energy Systems
- Power Electronics and Drives
- Wireless Communication
- RF & Microwaves
- Embedded Systems
- Structural Engineering & Construction Materials

Active research is currently being pursued on these topics by faculty and research scholars at REC.

CENTERS OF EXCELLENCE

Two Topics of major research and development perceived as exceptionally relevant in the present-day context have been developed as Centers of Excellence as listed below:

- Centre of Excellence in Machine Vision
- Centre of Excellence in MEMS and Micro-Fluidics

The machine vision activity is targeted towards developing image processing solutions to enhance Industrial productivity through objective quality measures. Machine Vision systems enable automated end-of-line inspection and quality control in manufacturing plants. The machine vision activity was started through seed funding under the DST TIFACCORE scheme. Several industrial inspection systems are currently operational using technology and solutions developed through this activity. This center is currently headed by Dr. Sundar, who has wide experience in both academics and Industry.

The MEMS activity with emphasis on micro-fluidic lab-on-chip systems is aimed at research towards development of low-cost measurement and diagnostic solutions for bio - medical and allied applications. The college is recognized as one of the National MEMS Development Centers (NMDC) supported through the national NPMASS program. Several MEMS devices such as Micro Tweezers, Accelerometer and Gyroscope have been designed and successfully implemented through the community chip fabrication program under NPMASS. The NMDC Centre is headed by Dr. L.Sujatha, who has several research scholars currently pursuing their doctoral research program under her guidance. This center now has the distinction of having an active DST-TSDP government sponsored project valued at Rs.1.24 Crores for research and development in processes for low-cost Micro-Fluidic device development. Facilities at this center include specialized thin-film deposition equipment, photo-lithography, high-resolution Digital Microscope, measuring equipment, De-Ionized Water Plant and accessories for in-house research and development in MEMS and Micro-Fluidics. Currently, the infrastructure for this center is being further augmented through internal funds to establish state-of-the-art Class-10000/ Class-1000 clean-rooms facilitating world-class research.

These centers of excellence have focused research and development activities with continual augmentation of facilities through internal funding as well as sponsored research project activities. Active research is also being carried-out in other engineering and science disciplines as well as inter-disciplinary topics. The College has over 94 faculty members holding a doctoral degree. Many of these faculty members are actively conducting research in their area of specialization and providing guidance to registered research scholars. Over 114 faculty members from various departments are pursuing part-time doctoral research program.

Currently, research infrastructure in the college is being expanded with additional laboratory spaces and conference rooms in a central research facility.

SPONSORED RESEARCH AND DEVELOPMENT PROJECTS

Research and development infrastructure at REC was created through both internal funding as well as through external sponsored project funds to the tune of 10.5 Crores and more. Some of the major on-going sponsored research projects taken up by faculty members of the college are listed below.

01. Centre of Excellence in Machine Vision with Seed funding by DST TIFAC-CORE and subsequent internal funding for a total value of 5 Crores over the past six years–Currently headed by Dr. R. Sundar, Department of ECE.

2. Centre of Excellence in MEMS & Micro-Fluidics with internal funding to the tune of 60 Lakhs over the past two years and facilities created through sponsored projects – headed by Dr. L. Sujatha, Department of ECE.

03. Micro-fluidics Devices development - Funded by SSPL-DRDO- Value: 134.62 Lakhs. **INVESTIGATORS:** Dr. L. Sujatha and Dr. R. Sundar, Department of ECE..

04. Development of Analysis of Optimal Coating for HRG Components - Funded by RCI-DRDO - Value : 9.77 Lakhs. **INVESTIGATORS:** Dr. L. Sujatha and Dr. R. Sundar, Department of ECE.

05. Modelling & Analysis of Fused Quartz Pendulum type Accelerometer- Value: 9.45 Lakhs. **INVESTIGATORS:** Dr. R. Sundar and Dr. L. Sujatha, Department of ECE.

6. Development and Evaluation of Rotating Nozzle for Diesel Engine - Value: 17.67 Lakhs **INVESTIGATOR:** Dr. N M Sudharsan, Department of Mechanical Engineering.

07. Skill and Personality Development Program for SC/ ST students - Funded by AICTE-AQIS Value: 21.26 Lakhs. **COORDINATOR:** Dr. N. Hema, Department of Humanities & Sciences.

08. MODROB - Power Electronics Lab- Funded by AICTE-AQIS- Value: 10.5 Lakhs. **INVESTIGATOR :** Dr. K. Premkumar, Department of EEE.

09. Thermography as a tool to Detect Foetus Abnormality– Funded by ICMR – Value: 7 Lakhs – **INVESTIGATORS:** Dr. Natteri Sudarshan, Department of Mechanical Engineering and Dr. Md. Yacin Department of Bio-Medical Engineering

10. Centralised Versatile Secure Management System for Documents-Value: Rs. 3.50 Lakhs- **INVESTIGATORS:** Mrs. Priya Vijay (CSE) and Mr. K. Sibi (CSE)

11. Efficient Prediction and Monitoring Tool for Diabetic patients Using Data-Mining and Smart Phone System– Funded by AICTE - RPS – Value: 4.23 Lakhs **INVESTIGATOR:** Dr. S. Poonguzhali, Department of Information Technology

12. Polymer Micro-Molds using Soft Lithography - Funded by DRDO-ER & IPR – value: 21.68 Lakhs, **INVESTIGATOR:** Dr. L. Sujatha, Department of ECE

13. Nano-oxide based H2S Sensors for Nuclear Plants - Funded by AERB – value: 24.25 Lakhs, **INVESTIGATOR:** Dr. L. Sujatha, Department of ECE

14. Propolythioracil for Psoriatic Lesions – A Study - Funded by DST-SERB – value: 17.62 Lakhs, **INVESTIGATOR:** Dr. Haripriya, Department of Bio-Technology

15. Plant-based Nano-Gold for medical applications Funded by AICTE-RPS – value: 7.8 Lakhs, **INVESTIGATOR:** Dr. P. Rajasekar, Department of Bio-Technology

16. Centralised Versatile Secure Managemet System for documents- Value: 3.00 Lakhs -Funded by RESPOND-ISRO. **INVESTIGATORS:** Ms. Priya Vijay and Mr. K. Sibi, Department of Computer Science & Engineering

COLLABORATIONS WITH INTERNATIONAL UNIVERSITIES

The college has actively pursued collaborations with leading Universities around the world enabling relevant and state of the art research Research-level interactions are being pursued with the universities and institutions listed below.

- Tomsk Polytechnic University, Russia
- University of Malaysia, Pahang
- University of Malta, Malta
- Dongguk University, Korea
- Nanyang Technical University, Singapore
- University of Central Florida, USA

INDUSTRY INTERACTION AND INDUSTRIAL PROJECTS

CSRC has established good ties with industry enabling training, consultancy and projects specific to Industry requirements. Some of the industries wherein the college has established collaborative research and development activities are listed below:

- Valeo India Pvt. Ltd. – Development of Ultra Low Cost HVAC System
- Aban Biotech Ltd. – Bio-product development from micro-organisms
- Intelligent Chip Connections Ltd,Singapore - Development of Microfluidic Devices
- Super Auto Forge – Machine Vision Systems for Quality Control
- Ilgin Automotives – Fly-Wheel Hot-Press Assembly validation
- Tata Consultancy Services – High Performance Computing Facilities for R & D
- Rameshwar Engineering – Sensors for Industrial Applications
- CGN Research Labs Pvt. Ltd. – Medical Thermography
- Addison & Company Ltd. – Drill Bits Inspection

Several Industrial consultancy and development projects for different automobile and pharmaceutical industries have been taken-up and completed under the Machine-Vision activity

Industry interaction has also enabled faculty and students to better understand current processes and methods used in the industry and there by augment curricular activities. Two noteworthy training centers in the college with industry support and state-of-the-art facilities are:

- BOSCH automotive training lab with equipment and support from BOSCH, that include state-of-the-art fuel injection system, complete current-generation automobile electrical system and engine diagnostic system
- WIPRO-UTLP Unified Technology Learning Platfom based on industry embedded systems with support from Wipro under their Mission 1X0 program

These centers have regular short-term training programs conducted through the semester to enlighten and orient students to Industrial development and Implementation methods while exposing them to the latest in engineering and technology.

SUMMARY

CSRC is committed to expanding research Infrastructure in the college and significantly increase the quantum and quality of research work. Credible research is established through internal monitoring and timely closure of sponsored projects. Interaction and association with eminent technologists in premier institutions, research organizations and industry are being pursued to enhance quality of research and establish relevant research. International collaborative research engagements are also being pursued with institutions in several countries. The College fosters a fertile research environment with state of- the-art facilities and recognizable globally relevant focus.

STUDENT SERVICES DEPARTMENT

STUDENT COUNSELING

REC provides full time counseling for students addressing relationship issues, depression, anxiety, behavior disorders and personality problems. Professional guidance by experienced counselors provide multiple approaches to effect change. Therapy includes traditional and alternative techniques from cognitive behavior therapy, study skills training and relaxation training.

CAREER GUIDANCE CELL

This cell offers resources, guidance and support for students aspiring for higher studies in India and abroad. Information on Universities, programmes, cost of study, cost of living, visa guidance, bank loans, etc. are some of the services provided by the cell.

CAREER & COMPETITIVE EXAMINATIONS STUDY CENTRE

This centre facilitates the pursuits of students appearing for the career and competitive exams such as GATE, CAT, EILTS,GRE,TOEFL,GMAT, Indian Engineering and Civil Services Examinations. The centre has a good collection of resource materials, practicing kits for the examinations and

NITHYA SRIRAM
Student Counsellor

PRIZES, AWARDS AND SCHOLARSHIPS FOR MERITORIOUS STUDENTS

The College has been prompt and generous in recognizing, appreciating and encouraging the meritorious students towards excellence in curricular and extra curricular activities. Special Cash Prizes are awarded to the students securing ranksand prizes in: Paper Presentation in Symposia, Conference, Quiz, Publication of Research Papers in Journals & Proficiency in R & D activities. Cash Prizes, Certificate of Appreciation and Books are awarded for the Students securing first or second rank in every semester or every year, or securing centum in individual subjects, or for 100% attendance in every academic year.

Raghavan Memorial Merit Award- This award is presented to the college topper of the year, among all branches of first year students. The recipients is entitled fpr tuition free waiver for one year. Lady Parvatham Trust Award- This award carries a handsome cash prize and is awarded to a student, who is the topper among all branches of II, III & IV year students.

Thiruvenkatam Sivasailam Endurance Prize - Two scholarships are awarded, one male and female students who exhibit a positive attitude and a fighting sprit to overcome hurdles and show improved performance.

Giri Memorial Best Outgoing Student Award has been instituted by Mrs. K. Dhayabara Sundari in the name of her Late Grandson GiridharSi ai Ganesh. The purpose of this award is to encourage engineering students to develop all round personality with consistent academic record having emphasis on extra-curricular activities.

Prof.V.N.Srinivasan Memorial Prize for the Best Innovative Project: This prize is awarded to three Best Innovative Projects adjudged by Industry experts.

P.A.Ramakrishnan Merit Prize for Achievers in Mathematics: This prize is awarded in appreciation of the performance of students who score the highest grade in Maths,consistently in I ,II and III semesters of the BE../B.Tech. programmes.

Scholarship is provided for the candidates admitted with a valid GATE score for the PG programs from the MHRD (Ministry of Human Resources Development) through A.I.C.T.E..

APJ ABDUL KALAM INNOVATIVE PROJECT CELL

In order to enhance and encourage budding professionals to harness and develop their research interests and innovative ideas the Innovative Project Cell (IPC) of Rajalakshmi Engineering College was established in 2003. The cell provides a platform for both students and teachers to express their research interests and implement them. Since its inception, IPC conducts a competition every year for the students of all streams called i-Quest. Winners of i-Quest contest are honoured at the college day function with cash awards and merit certificates. Selected projects are given financial assistance by the management to implement them. Projects have been selected and recommended for awards such as the IIT Innovator Challenge Award, Prof V.N. Srinivasan Memorial Award etc. IPC also encourages students to apply for scholarships given by Tamil Nadu State Council for Science and Technology for their final year projects. The students are encouraged to publish them in National/International journals. This cell with the help and encouragement from the management assists the students to patent the projects and take up entrepreneurial ventures.
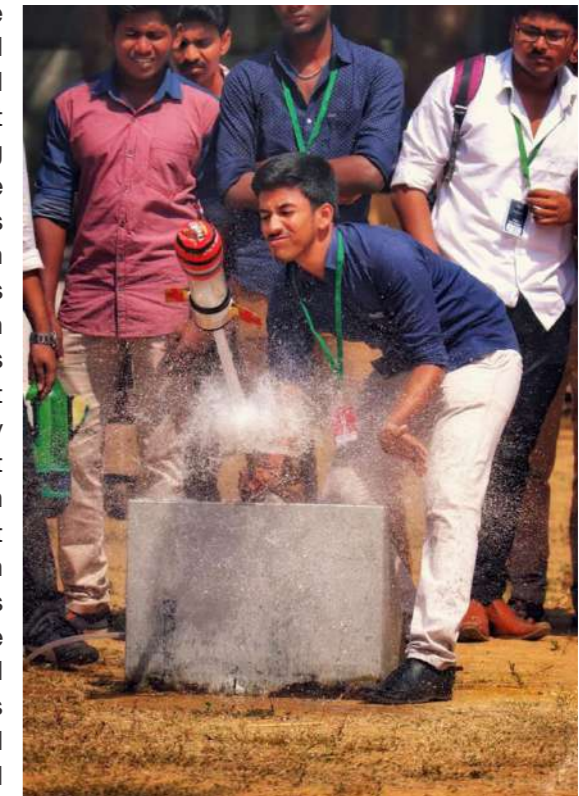
UNISON
REC'S MUSIC BAND
STUDENT LIFE

The college music band was formed in the year 2008. Since then, it has taken many talented musicians into its fold and has given them the stage they need.

MEMBERS OF THE BAND ARE
Srihari.V IV IT
Sushmita.N IV IT
Ganesh Ram.G IV EEE
Aakash.L IV CSE
Sriram Srinivasan IV MECH
Akash.S III CSE
Karthik.B II ECE
Sahana.S II CSE
Sai Pooja.R I IT
Vijay Kishore.A I ECE
Kailash Kumar.V I MECH

The band has been participating in various inter-collegiate competitions and has the proud honour of being among the top Five College Bands in the city. Individual laurels such as Best Singer, Best Instrumentalist and more have been won by the members of the band. The band also performs on many public stages regularly and has been involving itself in fund raiser and charity events. The band has been specially identified for its talents by Times of India. Each year auditions are conducted to select new talent for the band.

ROTARACT
CLUB
OF RAJALAKSHMI ENGINEERING COLLEGE

STUDENT MEMBERSHIP IN PROFESSIONAL BODIES

IIIE - Indian Institution of Industrial Engineering
IEI - Institution of Engineers (India)
IIW - Indian Institute of Welding

DEPT.	NAME OF THE SOCIETY	
All	ISTE	- Indian Society of Technical education
CSE	ACM	– Association for Computing Machinery
	CSI	– Computer Society of India
	IEEE	– Institute of Electrical and Electronics Engineers
AERO	ASI	– The Aeronautical Society of India.
	SAE	– Society of Automotive Engineers.
ECE	IEEE	– Institute of Electrical and Electronics Engineers
	IET	– The Institute of Engineering and Technology
	ACM	– Association for Computing Machinery
EEE	IEEE	– Institute of Electrical and Electronics Engineers
	AUTO SAE	– Society of Automotive Engineers
MECH	ASME	– American Society of Mechanical Engineers
	SAE	– Society of Automotive Engineers
	NIQR	– National Institute for Quality and Reliability
	ISHRAE	– Indian Society for Heating Refrigeration and Air-Conditioning
	IIIE	– Indian Institution of Industrial Engineering
	IEI	– Institution of Engineers (India)
	IIW	– Indian Institute of Welding
BT	IEEE	– Institute of Electrical and Electronics Engineers
	SBC	– Society of Biological Chemists
IT	CSI	– Computer Society of India.
	ISTE	– Indian Society of Technical education
	ACM	– Association for Computing Machinery.
	IEEE	– Institute of Electrical and Electronics Engineers
ECE	IEEE	– Institute of Electrical and Electronics Engineers
	IETE	– Institute of Engineering and Technology
	ACM	– Association for Computing Machinery
CIVIL	ICI	– Indian concrete institute.

NSS

- NSS volunteers have prepared and conducted an activity based module on personality development for 5th and 6th standard students Hand in Hand.

- NSS Volunteers conducted various events on cleanliness among students from 1st September to 15th September 2017 in our college campus and hostel. They have extended their active participation by trimmed the overgrown bushes and plants, cleaned the play ground and resting area at Victory Memorial Blind School, Poonamalle. Planted trees in various places in our college with the help of teaching faculty.

- NSS students organized the village survey to identify people who need medical emergency and dropouts in 10th and 12th standards and conducted medical camp and youth empowerment activity.

ROTARACT

GRASP

- The project Grasp is one of the signature projects of the club. The theme of the project is to collect old books from the students and people around us and setup a library in orphanages. The second phase of grasp was done in Avvai home, Adyar. The knowledge of children is the future of the nation. This project was done considering that and in the plan of increasing the knowledge of the children.

UDHIRAM

- The blood donation camp Rotaract of Rotaract club. In 2017-18 Rotaract collected around 627 units of blood in just 4 hours.

DEPARTMENT OF PHYSICAL EDUCATION -ACHIEVEMENTS

- REC Football team secured the First place in State Level Inter-Collegiate Tournament conducted by Alpha Arts & Science College during March 2018.

- REC Ball Badminton (Men) team secured Second position in Anna University Zonal Ball badminton Tournament conducted by REC on Sept. 2017.

- Our College Cricket (Men) team claimed the title in Anna University Zonal Cricket Tournament conducted by Mamallan Engineering College on 15th to 22nd Sep 2017

- Our College Badminton (Men) secured the First Place in Anna University Zonal Badminton Tournament conducted by Rajalakshmi Engineering College on 22nd &23rd Sep 2017

- REC Badminton (Men) team claimed the title in Anna University Inter Zonal Badminton Tournament conducted by KSR Engineering College Tiruchengode from Oct. 28, 2017 to Oct. 29, 2017.

- Our College Badminton (Men) team secured Second position in State level Inter collegiate Badminton Tournament conducted by Loyola Engineering College on Jan. 22 to 25, 2017

- Our College 4x100Relay (Men) team bagged the Second position in Anna University Zonal Athletic meet conducted by Saveetha Engineering College on Oct. 8, 2017 and Oct. 9, 2017.

- S.Arun of Final Year Mechanical Engineering secured Silver Medal in Hammer throw and Discuss throw competitions in Anna University Zone-2 Athletic Meet.

- B.Y.Kishanth of I Aero received the Gold Medal in Javelin throw in Anna University Zone-2 Athletic Meet.

- K.Koushik of Third Year Mechanical Engineering bagged the Gold Medal in Half marathon in Anna University Zone-2 Athletic Meet.

- U.S.Udhayan Third Year Mechanical Engineering secured Silver Medal in High Jump in Anna University Zone-2 Athletic Meet.

- T.Sakthivel of Third Year Civil Engineering bagged Bronze Medal in 110m Hurdles in Anna University Zone-2 Athletic Meet.

- Sruthi G Srinivas of Final Year Bio-Tech secured Gold Medal in Short put and silver medal in discuss throw in Anna University Zone-2 Athletic Meet

SPORTS

Dr. M.Vijayaragavan
Director, Department of Physical Education

ENTREPRENEURSHIP DEVELOPMENT CELL, KRIYA

We live in a time where resources are reachable but business ideas are uncommon. Today's knowledge driven economy is a fertile ground for creating entrepreneurs in India. Entrepreneurship can unbolt latent potential of the students. Along with improving the quality of life in the country; it pushes the human resource capability to a greater extent. To promote the entrepreneurial spirit amidst the students, ecosystem should be enhanced. The E-Cell of REC is committed to create high impact entrepreneurial ecosystem and expanding it to the society through initiatives like interactive sessions, competitions, conferences and business incubation services.

With close to 18 years of existence, the E-Cell at the College, takes pride in having equipped entrepreneurs and their ventures. In the process E-CELL has crossed many milestones by creating many first generation entrepreneurs backing them up during their incubating days.

The efforts of E-Cell have been recognized by EDI-Chennai (Government of Tamilnadu's arm on entrepreneurship development), TATA FIRST DOT, and National Entrepreneurship Network (NEN), The Indus Entrepreneurs (TiE) and so on.

OBJECTIVES AND FUNCTIONS

I. AWARENESS

- To create of entrepreneur's club in our college to foster culture of entrepreneurship amongst students.
- To organise Entrepreneurship Awareness Camps, Guest Lectures, TV & Radio Talks, Seminars, Webinars, etc.
- To associate our students with global entrepreneurship communities like NEN, EDI, TiE to get global exposure of business opportunities.
- To inculcate a culture of innovation driven entrepreneurship through student projects exhibitions.

II. DEVELOPMENT

- To organise Faculty and Student Development Programmes on Entrepreneurship in our region.
- To develop and introduce curriculum on Entrepreneurship Development at different levels including Degree/Diploma programs with certifications to different levels including Degree/ Diploma programes with certifications to students in our region.

III. ASSESSMENT

- To source five innovative student projects each year for new innovative product development
- To organise episodes of Entrepreneurship Events (E-Week, E-Conclave) and Entrepreneurship Skill Assessment programs (Dexter Tester).
- To assess the real interest of our students in Entrepreneurship, conduct a set of Written Aptitude, GD and Interview Tests. Later the selected students will be posted as Start-Up Associates in Campus Start-Ups.

IV. GUIDANCE

- To conduct research work and survey for identifying entrepreneurial opportunities (particularly in S&T areas and service sector).
- To act as an Information Centre on business opportunities, processes, technologies, market, etc. by creating and maintaining relevant data bases.

- To act as an institutional mechanism for providing various services including information on all aspect of enterprise building to budding Science and Technology entrepreneurs.
- To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support system, information on technologies, IRP, etc. to incubates.
- To arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.
- Interfacing and Networking: to provide networking between academia, industry and financial institutions.
- To arrange visits to industries for prospective entrepreneurs.
- To extend necessary guidance and escort services to the trainees in obtaining approval and execution of their projects.

V. FUNDING

- To raise funds for Entrepreneurship Awareness and Development activities in our region through various sources like AICTE, EDI and NSTEDB.
- To Become financially self sustainable entity by improving the business of Campus Start-Ups.

VI. CONSULTING

- To render advice to sick enterprises and assist the entrepreneurs in rehabilitating them.
- To respond effectively to the emerging challenges and opportunities both at national and international level relating to SMEs and micro enterprises.

VII. TECHNOLOGY BUSINESS INCUBATOR (TBI)

- Technology Commercialization: to provide a platform for speedy commercialization of technologies developed in our college.
- To foster better linkages between the Institution, Industries and R&D institutions in the region and other related organizations engaged in promoting Small & Medium Enterprises (SMEs) and Non-Government Organizations (NGOs).
- To catalyse and promote development of Science and Technology knowledge based enterprises and promote employment opportunities in the innovative areas.
- To provide testing, calibration, quality assurance, design, tool room, pilot plant and other facilities for entrepreneurs besides expertise in intellectual property rights, patents search, etc

CONTACT US

REACH US @

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FOLLOW US @
www.ecellrec.com
fb.com/ecellrec

S Gautham, EDC - Coordinator
Assistant Professor, Department of Management Studies, REC

TRAINING & PLACEMENT

The Training & Placement cell is headed by
Mr. Philip Praveen I, Director – Training & Placement.
REC has taken a paradigm shift in training the Engineering students to cater to the blue chip companies visiting the campus for campus selection.

THE DEPARTMENT OF TRAINING & PLACEMENT AT REC FACILITATES THE FOLLOWING:

- Organize and Co-ordinate campus recruitments.

- Facilitate Industry Institute Interaction through Industrial visits, Inplant training, Guest lectures, Project appraisals, etc to ensure the exposure of current Industry practices to students and faculty members.

- Ensure every student gets equipped with all the requisite skill sets to take up a fulfilling career of His/Her Choice.

- Proactively interact with various professional & Industry bodies like Confederation of Indian Industry (CII), National Association of Software and Service Companies (NASSCOM), Society of Automotive Engineers (SAE), Indian Society of Training & Development (SITD), ICT Academy of Tamil Nadu (ICTACT), Hindustan Chamber of Commerce (HCC), India Electronics and Semiconductor Association (IESA), etc,. To promote students interests in different forums.

- Conduct various programmes developed by corporate.

- Training faculty members on different skill sets required for effective classroom delivery.

- Leverage different indystry connects for offering continuing education programme / consultancy by departments.

- Provide opportunities for Faculty members taking up sabbatical training in various Industries.

CENTRE OF EXCELLENCE

Through our Centers of Excellence set up in partnership with the Industry, the following training programs are offered to our students:

- BOSCH - FSA 740 (Engine Analyser), Auto Electricals, Fuel Injection Pump

- Wipro Unified Technology Learning Platform - A 3 day intensive training at the end of which the students come out with a project based on the concepts they learnt.

- GE Health care - Training on Ventilator, USG, MRI, ECG etc.,

TRAINING PROGRAMMES

The training programme offered to the students of REC are scientifically planned and organized to ensure that the students derive maximum possible bebefits. The flagship training programme viz., Employability Training Camp is offered to the students at the end of 6th Semester.

VALUE ADDITION PROGRAMME

Personality development programmes like 'Livelife' & 'Unfold Yourself' communication skills and aptitude training are blended with the regular time-table to ensure that the students are provided with structured and periodic interventions to equip themselves with life skills. English Language Classes are conducted for the benefit of the vernacular medium students to improve their vocabulary and communication skills.

CERTIFICATION TRAINING PROGRAMMES

Also the students are provided opportunities to undergo a variety of Certification Programmes. Some of the certification programmes offered to the students are listed below:

- PEGA - CSA & CSSA
- BSNL: RTTC - EETP is a certification funded by AICTE
- Kaizen Robotics
- EMC2 - Cloud Infrastructure and services
- EMC2 - Data Science and Big Data Analytics
- Cisco Enabled Education Development on IT help desk
- LEED - Green Buildings
- Test Out Labsim- CCNA
- JAVA
- Test Out - Ethical Hacking
- REVIT
- Date Center Virtualisation Fundamentals - VMWARE

EMPLOYABILITY TRAINING CAMPS

The Employability Training Camp is a unique one of a kind value addition programme offered to our students at the end of their Third Year. This Camp, which is run on a residential mode is offered completely free of cost. It is a matter of pride that this programme is one of the premier events in the institution and every student looks forward eagerly to be part of this event.

The students who are part of the camp are put through a set of pre-camp screening tests and their exact training requirements mapped. Following the ice breaker session on the inaugural day, our expert trainers who are the best in the Industry put our students through their paces through a uniquely developed curriculum, which is aligned towards the ever changing demands of the Corporate.

The students are also continuously monitored for their performance with daily online tests, camp diary, etc and corrective actions are implemented immediately. The students also have the benefit of interacting with top executives from various industries on a daily basis in "Meet the Industry"

programme conducted every evening. In this way every students is given opportunities to understand the difference between an academic ambience and the corporate reality.

The camp is folowed up effectively with regular web eanbled online tests. This ensures that enough opportunities are provided for the students to pick up the traits of employability and thereby secure his / her placement in the Campus. The Employability Training camp has resulted in a phenomenal increase in the number of students getting recruited over the past five years, there by catapulting REC into to a different league to Top notch Institutions preferred by the vast majority of student community.

The students are also exposed to various campus training programmes specfic to TCS, Wipro, Hitachi, etc during their final year.

INDUSTRY INSTITUTE INTERACTION

In order to keep abreast with the industry and also for dissemination of academic R & D work, we have an innovative Industry – Institute Interaction division in our campus. It coordinates with the departments to arrange for Industrial visits, Students projects, Internships and Consultancy work from various organizations.

Several Industry Visits, Guest Lectures, Workshops, Faculty Development programmes were conducted throughout the year with huge support from the Industry.

The Industry also supported the Campus in terms of Internships and In plant Training for our students

PARTNERSHIPS

- Accredited by TATA Consultancy Services, Cognizant Technology Solutions and Wipro Technologies Ltd.
- TATA Consultancy Services - TCS Best Student Award, Faculty Development Programmes, Guest Lectures and Industrial visits to name a few.
- Infosys Technologies Ltd., - Campus Connect Programme.
- Wipro Technologies Ltd., - Mission 10xU, TLP workshops, Academic Leadership Workshops, Faculty Development Programmes.
- IBM Centre of Excellence.
- Bosch -Joint Certification Centre.
- Member - ISTD, MMA, HCC, CII, ICTACT, SNSACOM, IESA and Indo German Chamber of Commerce
- LUCAS TVS - Faculty Sabbatical
- L & T - Campus readiness programme
- Oracle - Oracle Workforce Development Programme
- PEGA - UNIVERSITY ACADEMY PROGRAM

To summarize, the Training & Placement department at REC ensures that the Institution maintains a symbiotic relationship with multiple industries across diverse segments and equip the students to take up different positions offered by the industries.

S. No	Year of Passing	Total no offers
1	2009	308
2	2010	518
3	2011	746
4	2012	785
5	2013	769
6	2014	804
7	2015	846
8	2016	872
9	2017	862
10	2018	920

NO. OF OFFERS   YEAR OF PASSING

TCS BEST STUDENT AWARD

MEMORANDUM OF UNDERSTANDING BETWEEN RAJALAKSHMI ENGINEERING COLLEGE AND BARRY-WEHMILLER

PARTIAL LIST OF RECRUITERS

- Axis Bank
- Apollo Tyres Ltd
- Ababil Health Care
- Abs Aircon Engineers Pvt Ltd
- Accenture Services India
- Adaptavant Technologies
- Adp Solutions Pvt. Ltd.
- Airtel
- Amalgamations
- Amalgamations Valeo
- Amazon
- American Megatrends India Private Limited
- Anand-Henkel Teroson India Ltd
- Aon Hewitt
- Applied Materials
- Arjun Technologies
- Arkkays
- Ashok Leyland
- Atc India
- Athena Health Care Systems
- Auto Link Gears
- Avalon Technologies
- Axis Bank
- Bahwan Cybertek
- Bajaj Capital
- Bgr Energy Systems Ltd.
- Blue Star
- Bnp Paribas
- Bny Mellon
- Borg Warner
- Bosch
- Brakes India Ltd.
- Brand Idea
- Capgemini
- Caterpillar
- Catholic Syrian Bank
- Cgi Information Systems
- City Union Bank
- Cnsi Inc
- Cognizant Technology
- Commvault System
- Computer Sciences Corporation India Pvt Ltd
- Congruent Solutions
- Cosma International (India) Private Limited
- Css Corp
- Daimler India Comm. Vehicles Pvt. Ltd.
- Data Patterns
- Deanta Publishing Services Pvt Ltd
- Delphi Tvs
- Directi Internet Solutions
- Doodleblue Innovations Private Limited
- Elgi Equipments
- Embedur Systems (India) Pvt. Ltd.
- Endurance Technologies Pvt Ltd.
- Excelacom Technologies
- Exeter Premedia
- F22 Labs
- Fl Smidth Pvt. Ltd
- Flextronics

- Fujitech
- Full Creative
- Geometric Global
- Gesco Health Care
- Get It
- Global Trendz Technologies
- Globalsoft Solutions
- Greedge
- Hcl B Serve
- Hcl Comnet
- Hcl Technologies Ltd
- Hdfc Bank
- Health Mantra India Pvt Ltd.
- Hewlett Packard
- Hexaware Technologies
- Hinduja Foundries Ltd.
- Hitachi Consulting
- Hitachi Solutions India Ltd
- Hsbc Bank
- Hyundai Glovis Logistics Pvt Ltd.
- Hyundai Motor India Pvt Ltd.
- Ibm India
- Icici Securities
- Icmpl
- Idbi Federal Life
- Idea Elan
- Igate
- Ikona Indinet
- I-Nautix Technologies
- India Infoline
- India Mart
- Indian Airforce
- Indian Army
- Indian Navy
- Indian Oil Tanking
- Infosys Technologies
- Infotech Enterprises Limited
- J.ray Mcdermott Engineering Services
- Jaro Education
- Jbm Auto Systems
- Jk Tyres
- Jmi
- Johnson Controls
- Just Dial
- Kaar Technologies
- Karur Vysya Bank
- Kcc Paint
- Keane India Ltd.
- Kgs Engineering Ltd.
- Kjk Meisterhonen Private Limited
- Kone Elevator
- Kotak Life
- Kumaran Systems
- L & T Ecc
- L & T Infotech
- Leela Palace
- Lennox India
- Lifecell
- Logica
- Lotus Wireless Technologies
- Lucas Tvs
- Lucid Technologies
- Ludowici Mining Process India Ltd

- Maarga Systems
- Mahindra & Mahindra Ltd
- Mando
- Marg Projects & Infrastructure
- Maruti Suzuki
- Maveric Systems Limited
- Mazenet Solutions
- Mbit Wireless
- Microsoft
- Mphasis
- Mr. Cooper
- Mu Sigma
- Muthoot Finance Ltd
- Neeyamo Enterprise Solutions (Pvt.) Ltd.
- Ninja Cart
- Nippon Paints
- Ntt Data
- Object-Frontier Software
- Odessa Technologies
- Odyssey Technologies
- Omega Healthcare
- Omics
- Opus Software
- Oracle Financial Services
- Orchid Chemicals
- Paypal
- Pega Systems
- Polaris
- Posco India
- Private Limited
- Prodapt Solutions
- Protechsoft
- Puravankara Projects Limited
- Pyung Hwa India
- Ramco Systems
- Rameshwar Engineering
- Rane Group
- Rayone Biomedical
- Rdc Concrete
- Redington India
- Reliance Communications Ltd
- Renault Nissan Technollgy & Business Centre
- Royal Bank Of Scotland
- Royal E
- Rr Donnelley
- Rusada India Pvt Ltd
- S10 Healthcare
- Saint Gobain
- Saipem India Projects
- Saksin Life Sciences
- Sanmar Engineering Technologies Ltd.
- Sanmina-Sci Technology India Pvt. Ltd.
- Sap Labs
- Sapient
- Sasken
- Schwing Stetter
- Scope International
- Scope Knowledge
- Serendebyte Inc
- Severn Glocon
- Shriram Transport
- Siemens
- Skanray Healthcare Pvt. Ltd.

- Skf India
- Smr Automotive Systems India Limited
- Sodexo India
- Spic
- Spiral-Up Solutions Pvt. Ltd
- Srf Ltd
- Standard Charted Capital
- Steria
- Sterling And Wilson
- Subex
- Sundaram Clayton Limited
- Sundaram Fasteners Limited
- Surajmani Engineers
- Syntel
- Syrma Technology
- Systech Solutions Pvt. Ltd.
- System Technology Group
- Tata Communications
- Tata Consultancy Services
- Tata Elxsi Limited
- Tech Mahindra
- Temenos
- Thoughtworks Technologies India Pvt. Ltd.
- Throgood Associates
- Titan Industries Limited
- Tmi Systems
- Tnq Books & Journals
- Tpf Software
- Trimble Technologies
- Tube Products Of India (Murugappa Group)
- Tvs Logistics Services Ltd
- Ucal Auto Pvt. Ltd
- Unisys
- Unitek Power Solutions India
- Unmetric Technologies
- Ust Global
- Valeo
- Valued Epistemics
- Verizon
- Verizon Technologies
- Vernalis
- Virtusa
- Visteon Technical And Services Centre Pvt. Ltd.
- Vit Infotech
- Volante
- Voltas
- Vortex Engineering
- Vwr International
- Wabco Tvs
- Winenergy
- Wipro Technologies
- Wipro Vlsi
- Wns Global Services P Ltd
- Wuerth
- Zifo Technologies
- Zoho Corporation
- Zouse Rentals

THE HINDU

16TH GRADUATION DAY CELEBRATED BY REC

Rajalakshmi Engineering College (REC) celebrated its 16th Graduation Day recently. Dr S.N. Murugesan, Principal of the college delivered the annual report. Chief Guests of the Graduation Day, Dr. M. S. Shunmugam, Professor Emeritus at IIT-Madras, K. Jayaramakrishnan, Consultant and former Vice-President, TCS, A. Satish Kumar, former Managing Director, Henkel India, Ramkumar Chandrasekaran, Head (Human Resources-Chennai Region), TCS and Dr. Mukesh Doble, Professor Emeritus at IIT-Madras delivered the graduation day address and gave away degrees to students. A total of 1,291 students from the college qualified to get their degrees, the batch of students graduated in 2016 has secured a total of 73 ranks in Anna University examination.

THE HINDU

THE ANNUAL GALA

Rajalakshmi Engineering College (Autonomous), Thandalam celebrated its 21st College Day on March 23. Dr. S.N.Murugesan, Principal, presented the Annual Report and Mr.Shyam Sundar, Vice President-HR, Brakes India Pvt. Ltd. and Mr.K.G. Sunil Kumar, General Manager - HR Head - Global Sourcing, Tata Consultancy Services were the Guests of Honour. They distributed certificates and prizes to the students who excelled in academics, co-curricular activities. The faculty members with outstanding performance in teaching, research and publications were also honoured on this occasion. In his address, Mr.Shyam Sundar said that the students should link every component of academic learning in the institution with relevant industrial practices, for developing expertise and confidence in their respective specializations.

THE HINDU

REC TEAM WINS BRONZE AT IGEM, USA

A 14 member student team from the Department of Biotechnology at Rajalakshmi Engineering College (REC) (Autonomous), Chennai has won bronze medal at the International Genetically Engineered Machine (iGEM) competition held in Boston, Massachusetts, United States between November 9 and 12, 2017. It was a worldwide competition on Synthetic Biology in which undergraduate students from different countries participated. During the competition the REC team was given a kit comprising genetic materials and they built components of Biobricks to prevent food contamination. The project was judged by jury of eminent scientists at every level and was awarded during the final jamboree event 2017.

DINAMALAR

■ ராஜலக்ஷ்மி பொறியியல் கல்லூரியின், 20வது ஆண்டு நிறைவு விழாவை தொடங்கி, கல்லூரி வளாகத்தில் நவீன தொழில்நுட்பக் கூடத்தை திறந்து வைக்கும், அமைச்சர் பாண்டியராஜன் மற்றும் முன்னாள் மத்திய அமைச்சர் ஜி.கே.வாசன். இடம்: தண்டலம், சென்னை.

THE NEW INDIAN EXPRESS

Rajalakshmi Institutions wins pan-IIT event

EXPRESS NEWS SERVICE
@ Chennai

RAJALAKSHMI Institutions, Chennai (Chennai Cluster) won the Pan-IIT Alumni Leadership Series (PALS) for its project "Chitin Cellulose Beads for Textile Effluent treatment."

The event was an education initiative with exhibition of the finalists' projects for 'innoWAH' the Innovation Challenge Competition, on the theme - "Sustaining our fragile environment

through application of engineering and technology." It was an initiative supported by the IIT Alumni Center and IIT Madras Alumni Charitable Trust.

KSR College of Technology, Tiruchengode, bagged the second prize for its project "Extraction of Methane from sewage using seaweeds" while the third prize was shared by Adithya Institute of Technology, Coimbatore for the project "Auto Irrigation, soil monitoring and control for better crop yield"

and RVS College of Engineering and Technology, Coimbatore for "Prevention of air pollution by exhaust gas ionising technique."

Twenty five teams from 22 engineering colleges of Tamil Nadu participated in the finals and demonstrated their projects to the panel of judges.

The main aim of "innoWAH!" was to recognise promising young innovators and provide a platform for them to showcase their talent.

Saving the nature

The event was an education initiative with exhibition of the finalists' projects for 'innoWAH' the Innovation Challenge Competition, on the theme - "Sustaining our fragile environment through application of engineering and technology." It was an initiative supported by the IIT Alumni Center and IIT Madras Alumni Charitable Trust.

DECCAN CHRONICLE

HACKING FOR SOCIAL GOOD >>

The students of Rajalakshmi Engineering College in the city came out with flying colours at the recently-held Hack2Help Social Innovation Hackathon by the US Consulate Chennai. The students devised a 'Smart Hoodie' which prevents the blind from getting hurt. Seen in the picture are the winning team with **Deborah Robinson** (center), the Acting Consul General of the US Consulate.

DT NEXT

Attitude, entrepreneurial spirit game changers in job market

Recruiters are increasingly looking beyond marks and search for those who can ideate

CHENNAI: With new digital technologies impacting life and business, youth should not stop with skilling or re-skilling, said K Pandiarajan, Minister for Tamil Official Language and Tamil Culture, while addressing a conclave at Rajalakshmi Engineering College (Autonomous), Thandalam, to commemorate the institution's 20 years of academic excellence.

Emphasising on entrepreneurship and attitude, he said that it is important for students to look at their career differently. Themed 'How to gain from India's demographic dividend: The Way Forward', the conclave focussed on the importance of having powerful ideas and implementing them. "Organised jobs in the industry sectors are coming down due to the rise of technologies such as social, mobile, analytics, cloud computing and the Internet of Things (IoT).

Many traditional jobs are getting automated or replaced by machines, but a study by the London School of Business showed that huge job opportunities are being created in creative and cultural arts," he said.

Stating that recruiters of companies these days look at a student's attitude and the spirit of entrepreneur-

ship for hiring, he said, "Ideas have become the most valuable input for businesses today. Venture capitalists are today changing their outlook and are prepared to invest in the right ideas in the right business models."

G K Vasan, former Union Minister for Shipping, while inaugurating REC Tech Lounge - a large comput-

ing facility, along with Pandiarajan, said, "It is important that besides offering a degree or a certificate of knowledge accomplishments, colleges provide a set of skills that young people need, to get into jobs, for higher education, for becoming entrepreneurs, or to become teachers."

He further said, "Education today is no longer confined to books. Today education is about enquiry. It is about finding acceptable answers. It is about conflict resolution. It is about taking people's mind to a high-

er plane through a process of study, research, enquiry, values and attitudes."

Also present at the event were T Manikandan, Director (Engineering), Amazon Development Centre India and Thangam Meganathan, Chairperson, Rajalakshmi Institutions and others.

G K Vasan, former Union Minister for Shipping (Right) and K Pandiarajan, Minister for Tamil Official Language and Tamil Culture (Left), inaugurated the REC Tech Lounge computing centre at Rajalakshmi Engineering College, Thandalam, on Saturday

Education today is no longer confined to books. Today education is about enquiry, it is about finding acceptable answers. It is about conflict resolution

DECCAN CHRONICLE

DECCAN Chronicle
JUNE 25, 2017 - Page 2

Special children need special care

DC CORRESPONDENT
CHENNAI, JUNE 24

Parents having special children should focus on equipping their children with vocational skills like carpentry, welding, plumbing, fitting and machining. Such training helps autistic and slow learning children develop as a professional individual, admitted a group of trainers, who kickstarted a vocational training programme for autistic children in Chennai on Saturday.

"Slow learners and physically challenged students are receptive. They can be trained and offered job opportunities. All we need to do is to first empower parents as self-advocating is taking a backseat in our country. Special children have to be given extra attention and we need to be patient while training them," said Parvathy Vishwanath, founder of AIKYA, a non-profit organisation for improving the quality of life for special children after inaugurating the programme organised by Rajalakshmi Engineering College.

The special children are usually trained to make garlands, envelops, agarbathis, gift boxes. But they are capable of doing skilful jobs like driving a car, the basic mechanic works. Further, vocational skills also help slow learners and physical-

ly challenged students to emerge as an economically stronger individual.

A few years ago, an Indian autistic kid in the US got trained and received a license. However, in India, nurturing special children for skill development has not yet taken shape. Enriching the abilities of special children and fostering learning in them would improve the health of the society, Parvathy added.

"We are providing training for 20 special children, who are above 18 years of age. We are collaborating with Micro, Small and Medium Enterprises (MSME) that offer certification to the students," said S.P. Srinivasan, professor & head, mechanical department, Rajalakshmi Engineering College. The special children are provided with job opportunities through MSME and the total duration of the course being one month. At the end of training, a final examination will be conducted for the students to check their logical and analytical skills, he said. Talking to DC, a mother of a Down syndrome, autistic girl said, " My daughter uses all gadgets with no difficulty. She is very determined and wants to learn more. We put her in this vocational training in order to hone her skills and also to lead an independent life".

Children being trained at the programme in Rajalakshmi Engineering College.

TIMES OF INDIA

Hackathon 2017: TN teams bag 2 top prizes

TIMES NEWS NETWORK

Ahmedabad: It was a nail-biting finish for the Smart India Hackathon 2017 at Gujarat University Convention Hall on Sunday evening, as ISRO officials announced the winners for Ahmedabad centre.

Nodal officers at the centre said that Rajalakshmi Engineering College, Kanchipuram, Tamil Nadu, was announced the winner of the 36-hour hackathon whereas second and third place went to Thiagrajar College of Engineering, Madurai, Tamil Nadu, and Nitte Meenakshi Institute of Technology, Bengaluru, Karnataka, respectively.

The two consolation prizes

Rajalakshmi Engineering College, Kanchipuram, was announced the winner of the 36-hour hackathon

went to Jamia Milia Islamia, Delhi and Thakur College of Engineering, Mumbai. The prizes were awarded by A S Kiran Kumar, chairman of ISRO, along with officials of Gujarat Technological University

(GTU) and Gujarat University (GU). The Ahmedabad centre of the nationwide hackathon had ISRO as premier partner that had identified 35 problems areas for the participants to work on. There were 50 teams

consisting of six participants with two mentors each who tackled issues such as developing a solution for document tracking within an organization network, developing a solution for protecting photocopy of highly confidential documents, designing a solution to detect physical intrusion detection, and so on.

"We have participated in a number of similar competitions but Hackathon was unique as it posed real-life issues faced by government institutions and provided us a platform to interact with scientists of Isro," said Amit Bardhan, team leader of the team from Shantilal Shah Engineering College, Bhavnagar.

VISITORS' REMARKS

Dr. A. Sivathanu Pillar, Chief Controller R&D, CEO & MD, BRAHMOS

Delighted to visit REC,
Particularly to the TIFAC-CORE. The college has correctly identified RESEARCH as the major effort for the future. This will definitely put the college affront of many other institutions. I find the enthusiasm of teachers and the Manager to take forward the institution as one of the top most in India.

My Best Wishes

Shri. E.S.L. Narasimhan, Governor, Andhra Pradesh.

An institution which has a great future. An inspirational model with a vision. I wish the REC all the very Best in the years ahead. God Bless.

Mr. V. Kalyanaraman, Professor, IIT Madras.

I am glad to see that the students are given an opportunity to learn beyond class rooms through the programs such as the one organized today.

Dr. Mark Clements, University of Westminster.

Excellent Campus and thank you for providing an opportunity to inneract with your students. They are an inspiration and a credit to the quality of your faculty.

Anil D. Sahasrabudhe
Chairman, All India Council for Technical Education (AICTE) - 2016

The college has shown excellent progress in not only teaching learning process resulting in excellent university results but also developed research and innovation culture.

Mrs. D. Purandhareswari,
Ministry of Human Resource Development, Andhra Pradesh,
Indian National Congress.

"A good experience to be in an institution committed to imparting quality education to the children of our country, transforming them to become productive patrons in our country's growth and development".

Mr. K. Ramachandran
Head - Macro Initiatives & Strategy at 361 Degree Minds

Always a great experience to come to Rajalakshmi. Academic orientation & people centered education makes Rajalakshmi different.

Mr. T.S. Rangarajan. TCS.

Coming to REC has always been a very pleasant experience. Very well organised and attended conference.

Dr. V.N. Rajashekaran Pillai, Vice-Chancellor, IGNOU.

It was a nice expenence to visit the Rajalakshmi College of Engineering and connected with the graduation ceremony 2008. The college has created excellent infrastructure and is growing in the right direction. The achievements of the college are really commendable.

ELIGIBILITY

B.E. / B.Tech.. PROGRAMMES

HSC (Academic & Vocational) Candidates

The minimum requirements for admission to
B.E/ B.Tech.. Programmes are :

CATEGORY	AVERAGE OF MATHS, PHYSICS & CHEMISTRY
	In +2 Examinations or equivalent
Open	50%
Backward	45%
Most Backward	40%
SC/ST	Mere pass in the qualifying examination.

Candidates belonging to communities other than SC / ST should
have passed the qualifying examination within two attempts.

Lateral Entry Candidates

Diploma Holders (various branches) are also eligible to II year of the
four years B.E./ B.Tech. Degree courses.
The minimum requirements for admission to B.E./ B.Tech..
Programmes are :

CATEGORY	AVERAGE OF FIFTH & SIXTH SEMESTERS
Open	55 %
Backward	50 %
Most Backward	45
SC / ST	Just pass in the examination

PG PROGRAMMES

Candidates for the admission to the first semester of the Master's
Degree Programme shall be required to have passed an appropriate
Degree Examination of Anna University or any other examination
of any University or authority accepted by the Syndicate of Anna
University as equivalent thereto,They should have appeared for one
of the approved extreme examinations.

**List of Original certificates along with two sets of attested
copies to be produced at the time of admission for UG courses.**

SSLC Certificate with marks (for evidence of Date of Birth)
Higher Secondary Mark Sheet
Transfer Certificate from the Institution last studied
Original Community Certificate
Sports Certificates of achievement, if allotted under Sports Quota.
Extra Curricular Certificates, if any.
Medical Fitness Certificate
Nativity Certificate
Conduct Certificate
Eligibility Certificate (other state candidates only)
Three passport size photos

VALIDITY OF SELECTION

Candidates who have passed the qualifying examination of a University/
Board other than those approved by Anna University and have been
selected, will be admitted to the college provisionally, subject to their
qualifications being recognized by the Anna University/ Directorate
of Technical Education (DoTE). The candidates concerned should
therefore write to the Registrar of Anna University/DoTE in advance
to obtain and produce in original, the documentary evidence of
acceptance by the University/ DoTE, of their qualification before being
admitted to the college. The admission to the college will be made on
the basis of the declaration by the candidate. If the qualification, for
any reason, is not recognized by the University/ DoTE, the candidate
will have to discontinue the course.

Only those candidates selected under the merit and NRI quota will
be intimated at the first instance. Those who applied against possible
lapsed seat (if any) will have to wait till the Government of Tamilnadu
closes the admissions, to find out the vacancies (if any).The selection
of candidates will be provisional, subject to their being found eligible
on the verification of their original certificates at the time of admission.
The Principal reserves the right of refusing to admit the candidate, if
on verification of the original certificate the candidate is found to be
ineligible for admission or any suppression of particulars detected.
Further, if the candidate is found to be ineligible at a later stage of his/
her admission, the college has the right to cancel the admission at
whatever stage the candidate may be at the time. A joint declaration
should be signed at the time of admission by the candidate and
his/ her parent. Candidates should ensure that correct information
regarding marks, age and community is furnished by him/her.

If it is not correct, then:

He/ She forfeit the admission, no matter at what stage of the course
he/ she will be in that time He/ She is liable to be debarred from
pursuing any course of study for a period of 3 years. Legal action will
be initiated against him/her for furnishing false information.

ORDER OF THE SUPREME COURT OF INDIA ON RAGGING

Ragging is a Social Menace. Ragging in any form is punishable; ragging
in college campus, hostel or college bus will lead to punishment as
per the orders of Supreme Court of India. If any incident of ragging
comes to the notice of the authority, the concerned student shall be
given liberty to explain and if his explanation is not found satisfactory,
the authority would expel him / her from the Institution.The college is
committed to implement all statutory provisions/guidelines issued by
All Regulatory Agencies and Supreme Court of India.

BUS ROUTES
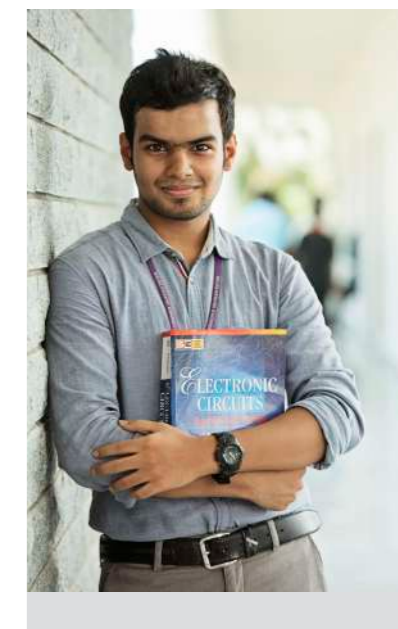
REC TRANSPORT ROUTES AND TIMINGS

1. ERNAVUR LIFT GATE 5.55 AM

I.T.C	5.58 am
Wimco nagar	6.00 am
Thiruvottiyur Bus Stand	6.01 am
Vellayan Chettiyar School	6.03 am
Thiruvottiyur Market	6.04 am
Theradi	6.05 am
Raja Kadai	6.06 am
Elaiyamman Kovil	6.07 am
Kaladipet market	6.08 am
Thangal	6.09 am
Tolgate	6.11 am
Kalmandapam	6.16 am
Clive Battery	6.20 am
Beach Station	6.25 am

Via - Non Stop Parrys, Central, Koyambedu Roundtana, Poonamallee Bye pass,
College campus   7.40 am

1C. TOLLGATE 6.10 AM

Lakshmikoil	6.12 am
Hospital Appolo	6.13 am
Esso	6.14 am
Royapuram	6.15 am
Parrys	6.20 am
Central	6.25 am
Ribbon building	6.26 am
YWCA	6.29 am
Daspraksh	6.30 am
Neyvelihouse	6.31 am
KMC	6.32 am
Taylors road	6.34 am
Pachaiyappa	6.35 am
Aminjikarai	6.36 am

Via - Non stop: Koyambedu Roundtana, Poonamallee Bye pass,
College Campus   7.40

2. TONDIARPET 5.55 AM

Maharani	6.00 am
Mint	6.05 am
Basin Bridge	
Pulianthop	
PoliceStation	6.10 am
Ayanavaram ESI	6.15 am

Via - Non stop: Koyambedu Roundtana, Poonamallee Bye Pass.
College campus   7.40

3.PERIYAMEDU 6.25 AM

Choolai post office	6.25 am
Dovton	6.27 am
Purashawalkkam Tank	6.29 am
Alagappa Street	6.30 am
Motcham theatre	6.31 am
Kellys	6.32 am
Mummy Daddy	6.33 am

Via - Non Stop Koyambedu Roundtana, Poonamallee Bye Pass.
College campus   7.40 am

3C. KILPAUK 6.30 AM

Medavakkam Tank	6.30 am
Kilpauk garden	6.35 am
Vinayagar Koil	6.36 am
Shenoy nagar TVK park	6.37 am
Arumpakkam Panchaliyamman	
Koil street	6.41 am

Via - Non Stop Koyambedu Rountana, Poonamallee Bye Pass.
College campus   7.40 am

4. CHETPET 6.15 AM

Chintadripet Fish Market	6.15 am
Police St	6.16 am
Pudupet	
Pudupet Police Station	6.17 am
Commissioner Office	
Ethiraj College	6.20 am
Egmore Bridge	
Spurtank Road	6.23 am
Hotel Sangamam Junction	6.24 am
Harington Signal	
Loyalo College	6.25 am
Mehtanagar	6.26 am

Via - Non Stop Koyambedu Rountana, Poonamallee Bye Pass.
College campus   7.40 am

4C.PANTLOON

Pantloon	6.30 am
Skywalk	6.32 am
NSK Nagar	6.35 am
Arumbakkam -	
Indian Hospital -IOB	6.40 am
Toyota show room	6.42 am
Nerkundram	6.44 am
Vengayamandi	6.46 am
Maduravoil Ration Shop	

Via - Non Stop Poonamallee Bye Pass.
College campus   7.40 am

5. MMDA COLONY

Chintamani	6.20 am
K3 Police station	6.30 am
Anna Arch	6.33 am
MMDA colony	6.38 am
SAF Games Village	6.40 am
CMBT	6.41 am

Via - Non Stop Poonamallee Bye Pass.
College campus   7.40 am

5C. MADURAVOIL

Ration Shop	6.50 am
Post office	6.50 am
Maduravoyal Market	6.50 am
Erikarai	6.51 am
Velappanchavdi	6.58 am
ACS Hospital	7.00 am
College campus	7.40 am

6. FOURTEEN SHOP

Water Tank	6.35 am
Gangaiamman koil	6.36 am
Lotus Colony	6.38 am
14- Shop	6.40 am
Annanagar Roundtanna	6.42 am
Nalli	6.43 am
Blue star	6.45 am
Sathosh Stores	6.46 am
Hot chips	6.47 am
Senthil Nursing Home	6.48 am

Via - Non Stop Koyambedu Rountana, Poonamallee Bye Pass.
College campus   7.40 am

7. ANNA NAGAR EAST

Anna Nagar RTO Office	6.35 am
K4 Police Station	6.40 am
Vijaya Maruthi	6.41 am
GRT Jewellers	6.48 am
PW Quarters	6.50 am

Via - Non Stop Tambram Ex Highway, Poonamallee Bye Pass.
College campus   7.40 am

7C. WAVIN 6.45 AM

GEM Flats	6.46 am
TSK Nagar	6.47 am
Velammal/DAV	6.48 am
Golden flats	6.49 am

Via - Non Stop Tambaram Express Highway, Poonamallee Bye Pass.
College campus   7.40 am

8. SIDCO

SIDCO	6.40 am
Singarampillai School	6.42 am
West Depot	6.42 am
Collector Nagar	6.45 am

Via - Non Stop Thambram Ex Highway, Poonamallee Bye Pass.
College campus   7.40 am

8C. WAVES

HP Bunk	6.40 am
Waves	6.43 am
Collector Nagar Market	6.44 am
MMM Hospital	6.45 am
IOB	6.46 am

Via - Non Stop Tambaram Express Highway, Poonamallee Bye Pass.
College campus   7.40 am

9. MUGAPPAIR EAST 6.45 AM

Spartan School	6.45 am
7H Bus stand	6.47 am

Via - Non Stop Tambaram Express Highway Poonamallee Bye Pass.
College campus   7.40 am

9B. MOGAPPAIR 6.45 AM

VGN Raksha flats	6.45 am
Abedkar ground	6.46 am
Velammal West School	6.47 am
7M Bus Stand	6.50 am

Via - Non Stop Tambaram Express Highway, Poonamallee Bye Pass.
College campus   7.40 am

9C. MUGAPPAIR WEST 6.50 AM

Coast Gaurd Qrts	6.50 am
7 M	6.51 am
D.R.J.	6.52 am
Religare	6.53 am

Via - Non Stop Tambaram Express Highway, Poonamallee Bye Pass.
College campus   7.40 am

10. AYANAVARAM

Sayani Theatre	6.30 am
Noor Hotel	6.32 am
Police St	6.34 am
Joint Office Market	6.35 am

Via - Non Stop Lucas, Wavin, Tambaram express highway, Poonamallee Bye PasWs.
College campus   7.40 am

10C. VILLIVAKKAM

Railway Qtrs	6.35 am
Kambar Arangam	6.36 am
ICF Signal	6.37 am
Kallukadai Stop	6.38 am
Indian Optics	6.39 am
Nadhamuni Theatre	6.40 am

Via - Non Stop Padi, Wavin, Tambaram Express Highway, Poonamallee Bye Pass.
College campus   7.40 am

11. RAJAMANGALAM SIGNAL (KOLATHUR) RELIANCE 6.35 AM

Senthil Nagar	6.37 am
Thathankuppan Bus stop	6.39 am
T.V.S. Lucas	6.43 am
Britaniya	6.45 am
Mannurpet	6.47 am

Via - Non Stop Padi, Wavin, Tambaram high way, Poonamallee Bye Pass.
College campus   7.40 am

11C. KORATTUR

Korattur Junction	6.35 am
UCO Bank	6.36 am
Koratur Police Station	6.37 am
Bakthavachalam school	6.38 am
Aavin Dairy	6.39 am
Pattravakkam OT	6.40 am
Bye pass junction	6.41 am
Hindustan Photofilm	6.42 am
Vanagaram	6.55 am

Via - Non Stop Poonamallee Bye Pass.
College campus   7.40 am

12. M.K.B. NAGAR

M K B Nagar	6.15 am
K K D Nagar	6.17 am
M R Nagar	6.20 am
Erukancherry	6.22 am
Don Bosco School	6.25 am
Vasan Eye Care	6.28 am
Kolathur (Ajantha Backery)	6.30 am

Via - Non Stop Tambaram Express Highway Poonamallee Bye Pass.
College campus   7.40 am

12B KOLATHUR

Welding Shop	6.25 am
Vinayagapuram Bus Stand	6.33 am
RC Riviera	6.35 am
Manikandapuram	6.45 am
Vaishanavi Nagar	6.47 am

Via - Non Stop Chennai Outer Ring Road,
College campus   7.40 am

12C. PERAMBUR

Lakshmi Amman Koil	6.20 am
Ramana Nagar	6.21 am
Eswari Kalyana Mandapam	6.22 am
B.B.Road	6.26 am
Perambur Bus stand	6.29 am
Perambur Rly Station	6.31 am
Ajantha Bakery	6.33 am
Venus Theatre	6.34 am

Via - Non Stop Wavin, Thambaram Express Highway, Poonamallee Bye Pass.
College campus   7.40 am

13. PERAVALLUR (KAMARAJAR STATUE)

Peravallur	6.20 am
Agaram	6.23 am
Jawahar Nagar	6.24 am
Periyar Nagar	6.25 am
Don Bosco School	6.26 am
Anna Statue	6.27 am

Via - Non Stop Padi, Wavin, Tambaram high way, Poonamallee Bye Pass.
College campus   7.40 am

13B. T.V.K. NAGAR

TVK Nagar Bus Stand	6.20 am
Poombukar Poice Booth	6.30 am
Velappanchavadi	6.50 am

Via - Non Stop Poonamallee Bye Pass.
College campus   7.40 am

13C. POOMBUKAR (SBI BANK) 6.30 AM

Don Bosco School	6.35 am
Canara Bank	6.37 am
Rajamangalam Police Station	6.38 am

Via - Non Stop Koyampedu Roundatana, Poonamallee Bye Pass.
College campus   7.40 am

14. MANALI

Andarkuppam Check post	5.50 am
Manali Market	6.00 am
Mathur	6.04 am
Madhavaram Milk Colony	6.07 am
Arul nagar	6.08 am
Madhavaram Bus Stand	6.10 am
Thabal Petti	6.11 am
Moolakadai	6.18 am
R T O Office	6.25 am

Via - Non Stop Retteri,Wavin, Tambaram Express highway, Poonamallee Bye Pass.
College campus   7.40 am

15. AYYABAKKAM(AMBATTUR)

Selvi Mahall (Govt. School)	6.20 am
Ayyabakkam water tank	6.22 am
Church	6.24 am
Ambedkar statue	6.25 am
Canara bank	6.26 am
TI cycle school	6.27 am
Ambattur ot Bus stand	6.30 am

Via - Non Stop Chennai Outer ring Road
College campus   7.40 am

15C. AMBATTUR

HPM paradise	6.30 am
Singapore shope	6.35 am
Sir Ivan Stedford Hospital	6.37 am
Hindu college	6.47 am

Via - Non StopChennai Outer ring Road
College campus   7.40 am

16.REDHILLS (THACHUR KOOT ROAD)

Thachur Koot Road	5.45 am
Karanodai	6.00 am
Chollavaram	6.02 am
Padiyanallur	6.03 am
Thiruvallur X road	6.05 am
Redhills bus terminus	6.07 am
Market	6.08 am
Polytechnic	6.09 am
Kavankarai	6.10 am
Check Post	6.12 am
Puzhal	6.15 am
Vellammal College	6.20 am
Kallikuppam	6.25 am
Wireless	

Via - Non Stop Chennai Outer ring Road
College campus   7.40 am

16C.PUZHAL BYE PASS

Ramalaxmi Paradise	6.15 am
Prambur- Redhills X Rd	6.17 am
Pudur	6.35 am
Oragadam	6.37 am
PTR Kalyanamandapam	6.40 am
Vasantha mandapam	6.48 am
Pattabiram gate	6.51 am

Via - Non Stop Chennai Outer ring Road
College campus   7.40 am

17.THIRUVALLUR

Theradi	6.35 am
Avadi Signal	6.40 am
State Bank of India	6.41 am
Post Office	6.42 am
Oil Mill	6.43 am
Thiruvalluvar Rly.Station	6.47 am
Ondikuppam	6.49 am
Kuppusamy Nagar	6.50 am
Aranvoil	6.55 am
Vellavedu	7.05 am
College campus	7.40 am

17B. AVADI (MUTHAPUDUPET) 6.20

Ajeya stadium bus stop	6.21 am
kalaignar Nagar	6.22 am
CRPF X cross road	6.25 am
Muthapudupet	6.26 am
Rajaganapathi temple	6.27 am
Pattabiram west CABI	6.30 am
Gandhi nagar	6.32 am
Madhakoil	6.38 am
Kaveri Theater	6.40 am
Thirunindravur Rly. Stn.	6.42 am
Thinoor Kootroad	6.44 am
Jaya college	6.46 am
College campus	7.40 am

17C. THIRUVALLUR (VEPPAMPATTU)

Veppampattu (Puliyamaram)	6.25 am
Veppampattu Rly Station	6.27 am
Chevappettai School	6.35 am
Chevappettai Rly Station	6.36 am
Thozhuvur	6.37 am
Kakkalur	6.38 am
water Tank	6.41 am
GRT Jewellers	6.50 am
Manavalanagar	6.55 am
College campus	7.40 am

BUS ROUTES

REC TRANSPORT ROUTES AND TIMINGS

18. THIRUMULLAIVOYAL

Thirumullaivoyal	6.40 am
Murugappa polytechnic	6.42 am
Avadi Bus Stand	6.44 am
Avadi Check Post	6.46 am
Kaduvetti	6.50 am
selvi kalyanamandapam	

via - Non Stop Poonamallee Bye Pass
College campus   7.40 am

18B. AVADI CHECKPOST

Avadi Gandhi Nagar	6.40 am
Chakkadu	6.42 am
Pattabiram Bridege	6.44 am

via - Non Stop Outer Ring Road,
Poonamallee Bye Pass
College campus   7.40 am

18C.AVADI   6.45 AM

Ram Ratna	6.46 am
Avadi market	6.47 am
JB Estate	6.48 am
Govarna giri	6.49 am
Ayyankulam	6.50 am

via - Non Stop Poonamallee Bye Pass
College campus   7.40 am

19.CHENGALPET GH   5.20 AM

Chengalpet New Bus stand	5.25 am
Chengalpet Old Bus stand	5.30 am
Panur Tollgate	5.37 am
Mahindra City Signal	5.45 am
S.P.Koil	5.50 am
Maraimalai Nagar	5.55 am
Potheri	6.00 am
Srinivasapuram	6.05 am
Guduvancherry	6.07 am
Guduvancherry EB	6.09 am
Urrappakkam	6.13 am
Vandaloor	6.20 am
Perunkalathoor	6.25 am
Tambaram	6.30 am
Lakshmipuram	6.33 am
Krishna nagar	6.35 am

via: Non Stop Chennai outer Ring Road
College campus   7.40 am

19B. VARATHARAJA THEATRE   6.35 AM

Sanitorium Rly Stn	6.36 am
Bhartha Matha St	6.37 am
Poondi Bazar	6.39 am
Christ King Convent	6.40 am

via: Non Stop Chennai outer Ring Road
College campus   7.40

19C. HASTHINAPURAM 6.15 AM

Hasthinapuram main road	6.18 am
Kumarankundram	6.19 am
Bharathi nagar	6.24 am
Old Perunkalathoor	6.25 am
Parvathinagar	6.26 am
Madhanapuram Petrolbunk	6.30 am

via: Non Stop Chennai outer Ring Road
College campus   7.40 am

20. EAST TAMBARAM

Kamatchi hospital	6.15 am
Balaji Dental College	6.16 am
Narayanapuram	6.17 am

Pallikarnai	6.19 am
pallikarnai oilmill	6.20 am
medavakkam bus stop	6.23 am
medavakkam X road	6.24 am
Santhoshpuram	6.26 am
Gowrivakkam	6.28 am
Sembakkam	6.29 am
Kamarajarpuram	6.30 am
Camp road	6.33 am

via: Non Stop Mudichur, Chennai outer
Ring Road, college campus   7.40 am

20C. MADIPPAKKAM

Ponniamman Kovil	6.15 am
Madipakkam	6.20 am
Petrol Bunk	6.21 am
Ram nagar	6.22 am
Kaiveli	6.25 am
Kumanan Chavadi	7.05 am

via - Non Stop Poonamallee Bye Pass.
College campus   7.40 am

21. N.G.O.COLONY   6.25 AM

Adambakkam Bus Stand	6.25 am
New Colony Main Road,	
Lake View Road,	
Blue Bykes,	6.30 am
L&T	6.40 am

via - Non Stop Porur, Poonamallee Bye
Pass. College campus   7.40 am

21C. VELACHERY

Erikkarai (Byepass)	6.15 am
Maduvangarai	6.18 am
Vandikaran Street	6.22 am
NGO Colony Bus stand	6.20 am
Mount Rly Stn	6.23 am
Jeyalakshmi Theatre	6.32 am
Thillaiganga Nagar subway	6.35 am

via: Non Stop Kathipara, Porur,
Poonamallee Bye Pass.
College campus   7.40 am

22.PERUNGUDI (TOLLGATE)

Sunnambu Kolathur	6.05 am
Thoraipakkam Signal	6.10 am
Perungudi Toll Gate	6.12 am
Apollo Hospital	6.15 am
MGR Salai	6.18 am
Taramani Bus stop	6.19 am
Baby Nagar	6.22 am
Vijay Nagar	6.24 am
Murugan Kalyana Mandapam	6.30 am
Velacherry Checkpost	6.31 am
College campus	7.40 am

23.MEDAVAKKAM

Medavakkam X Road	6.15 am
Kovilambakkam	6.20 am
Kovilambakkam X Road	6.23 am
Keelkattalai	6.25 am
Nanganallur 1st mainroad	6.27 am
C.M.Hospital	6.34 am

via - Non Stop Pallavaram, Outer Ring Road
College campus   7.40 am

23C.ULLAGARAM

Madippakkam Ayyapan koil	6.25 am
Kumaran Theater	6.27 am
Ullagram - Oil Mill	6.28 am
Vanuvampet Church	6.30 am

Saravana Square Hotel	6.32 am
Roja Medicals	6.36 am
Pazhavanthangal subway	6.39 am

via - Non Stop Pallavaram, Outer Ring Road
College campus   7.40 am

24.NANGANALLUR   6.25 AM

Old bus stand	6.25 am
Ranga Theater	6.26 am
Independence Day Park	6.27 am
Jai Gopal Garodia Govt. School	6.28 am

via -Non Stop Pallavaram, Outer Ring Road,
College campus   7.40 am

24C. MEENAMBAKKAM 6.30AM

Meenambakkam Bus stand	6.30 am
Chromepet	6.33 am
MIT	6.35 am

via - Non Stop Chennai outer Ring Road
College campus   7.40 am

25. V.G.P

Solinganallur Water tank	6.00 am
Vettuvankani	
Petrol Bunk(BP)	6.07 am
Neelangarai	6.15 am
Chinna Neelangarai	6.16 am
Palavakkam-Anna salai	6.17 am
Periar salai	
Palkalai Nagar Arch	6.18 am
RM Hospital	
Thiruvanmiyur RTO office	6.20 am
Thiruvanmiyur temple	
Thiruvanmiyur BusDepot	6.23 am
Signal	6.25 am
Tidel park,	
Chinnamalai	6.35 am

via: Non Stop CPT, Mathyakailash,
Gandhi Mandapam, Guindy, Porur,
Poonamallee Bye Pass.
College campus   7.40

25C. ADYAR

Indra Nagar Water Tank	6.15 am
Adyar Depot	6.17 am
Vannan Thurai	
Besant NagarBus Terminus	6.20 am
Ganapathiram theator	6.23 am
Adyar Signal	6.25 am
Gandhi Nagar Signal	
Madhya Kailash	
CLRI	6.30 am
Gandhi Mandapam	6.40 am
Anna University	6.42 am
Guindy	6.45 am

via: Non Stop Poonamallee Bye Pass.
College campus   7.40 am

26.TRIPLICANE

D1 Police Stn.	6.10 am
Triplicane High Road	6.12 am
Dr. Besant Road	6.14 am
Meerasahib Market	6.20 am
Peters Road	6.21 am
New College	6.25 am

via: Non Stop Porur Poonamallee Bye Pass.
College campus   7.40 am

26C. NANDANAM

Venkatnarayanan Road	6.15 am
T.Nagar	6.17 am
Pondy Bazar	6.20 am
GRT Hotel	6.21 am
Tenampet Signal	6.23 am
SIET	6.25 am
Nandanam	6.27 am
Hyndai showroom	6.30 am
Saidapet Bus Stand	6.32 am
Chinnamalai Bus Stop	6.34 am
Kattuppakkam	7.00 am

via - Non Stop Kathipara, Porur,
Poonamallee Bye Pass.
College campus   7.40 am

27. FORE SHORE ESTATE 6.10 AM

Pattinampakkam Bus Stand	6.10 am
Mandaveli Bus Stand	6.13 am
R.K Mutt Road	
Srinivasan Avenue Road	6.15 am
Kalliappa Hospital	
RA Puram	6.20 am
Ramaswamy Road (Alwarpet)	
TTK Road	
Adyar Gate hotel	6.25 am
Kotturpuram Bridge,	
Kotturpuram	6.28 am
HIET (kathipara)	6.42 am
Butt Road	6.44 am
Nandambakkam	6.47 am

via - Non Stop Kathipara, Porur,
Poonamallee Bye Pass.
College campus   7.40 am

27C. SANTHOME   6.05 AM

All India Radio Station	6.05 am
Santhome Church	6.07 am
Kutchery Road Police St	6.09 am
Mylapore Tank	6.10 am
Luz Bus Stand	6.12 am
Sanskrit College	6.14 am
Chola Hotel	6.17 am
Stella Marys college	6.18 am
Gemini Fly over	6.19 am

via - Non Stop Saidapet, kathipara, porur,
Poonamallee Bye Pass.
College campus   7.40 am

28. L.I.C

Royappettah Clock Tower	6.00 am
LIC	6.03 am
Gemini Bus Stand	6.10 am
Ranjith Hotel	6.13 am
F3 Police station	6.18 am
Valluvarkottam	6.23 am
North Usman Road	6.26 am
Liberty	6.27 am
Power House	6.28 am
Ram Theater	6.29 am
MGR School	6.30 am

via - Non Stop Porur, Poonamallee Bye
Pass. College campus   7.40 am

28C. VADAPALANI

HDFC Life (Samiyar Madam)	6.35 am
Sri Ganesh Mahal	6.36 am
Dr.Ambedkar Road	6.37 am
Kamala Theater	6.41 am
Vadapalani Bus Stand	6.42 am
Avichi School	6.43 am

CSI Church	6.45 am
Lamax School	6.46 am

via - Non Stop Poonamallee Bye Pass.
College campus   7.40 am

29. SALIGRAMAM

Surya Hospital	6.35 am
Arunachalam Studio	6.37 am
Dasarathapuram	6.40 am
Jai Gopal Garodia school	6.41 am

via - Non Stop Porur, Poonamallee Bye
Pass. College campus   7.40 am

30.CHINMAYA NAGAR

Koyembedu Market	6.30 am
Chinmayanagar	6.35 am
Sai Nagar	
Natesan Nagar	

via - Non Stop Porur, Poonamallee Bye
Pass. College campus   7.40 am

30C. ELANGO NAGAR   6.40 AM

Virugamabakkam Market	6.41 am
Kesavarthini	6.43 am
Friends park	6.46 am
LakshmiNagar	6.49 am

via - Non Stop Porur, Poonamallee Bye
Pass. College campus   7.40 am

31.VALLUVARKOTTAM   6.25 AM

Habibullah road	6.27 am
Raghavaiah road	6.29 am
GN chetty Road	6.30 am
Panagalpark	6.31 am
Duraisamy subway	6.35 am
Postal colony	6.36 am

via - Non Stop Kathipara, Porur
Poonamallee Bye Pass.
College campus   7.40 am

31C. WEST MAMBALAM 6.35 AM

SRM Hospital	6.35 am
GP street	6.36 am
Sangamam Hotel	6.37 am
Ayodhya Mandapam	6.38 am

via - Non Stop Porur, Poonamallee Bye
Pass, College campus   7.40 am

32. CIT NAGAR

Vempuliamman koil	6.25 am
Cavery Nagar	6.27 am
Srinivasa theatre	6.29 am
Mettupalayam	6.30 am
Blue tank	6.33 am

via - Non Stop Porur, Poonamallee Bye
Pass. College campus   7.40 am

32C. ASHOK PILLAR

Lakshman Suruthi Musicals	6.35 am
Ashok Pillar (ICICI Bank)	6.36 am
Kasi Theatre	6.37 am
Ekkatuthangal	6.38 am
Ambal Nagar	6.39 am
Ramapuram	6.43 am

via - Non Stop Porur, Poonamallee Bye
Pass. College campus   7.40 am

33. M.G.R.NAGAR

Nagathamman Koil (PTR Salai)	6.20 am
K.K.Nagar Pillaiyar koil	6.22 am

Hotel Saravana Bhavan	6.25 am
MGR Nagar Market	6.27 am
Porur Bus Stand	6.30 am
Porur Erikarai	6.33 am
Kattupakkam Petrol Bunk	6.45 am

via - Non Stop Porur, Poonamallee Bye
Pass, College campus   7.40 am

33C.K.K.NAGAR

Nesapakkam	6.35 am
Pondicherry Guest House	6.37 am
National Theater	6.39 am

via - Non Stop Porur, Poonamallee Bye
Pass. College campus   7.40. am

34. ALWARTHIRUNAGAR

Rajalakshmi School	6.35 am
Arasamaram	6.37 am
Megamart	6.40 am
Valasavakkam	6.45 am

via - Non Stop Porur, Poonamallee Bye
Pass. College campus   7.40 am

35. PALLAVARAM   6.35 AM

Singapore Shopping	6.35 am
Pammal HP Bunk	6.36 am
Muthamilnagar busstop	6.37 am
Krishnanagar	6.38 am
Madhakoil	6.39 am
Pammal Shanmuga Theatre	6.40 am
Arulmathai Theatre	6.41 am
Indian bank	6.42 am
Ammankoil	6.43 am

via: Non Stop Pallavram, Outer Ring Road,
College campus   7.40 am

35C. PAMMAL

Anagaputhur bus stand	6.40 am
Andalkuppam	6.41 am
Kundrathur -Theradi	6.43 am
Muthukumaran college	6.44 am
Pattu koot road	6.45 am
Maankadu	6.48 am
Gangaiyamman koil	6.50 am

via - Non Stop- Poonamallee Bye Pass.
College campus   7.40 am

36.KUNDRATHUR

Moondram Kattalai	6.40 am
Kovur High School	6.42 am
Periyapanicherry	6.48 am
Gerugampakkam	6.50 am
Kolapakkam	6.52 am
Baikadai	6.54 am
Poovika Mobile Shop	6.55 am

via - Non Stop
Kumananchavadi, Poonamalle Bye pass
College campus   7.40 am

36C. PORUR EB   6.45 AM

Pillaiyar Koil	6.50 am
Ayyappanthangal	6.55 am

via - Non Stop Poonamallee Bye Pass.
College campus   7.40 am

BUS ROUTES

REC TRANSPORT ROUTES AND TIMINGS

37. DLF — 6.45 AM

Sabarinagar	6.46 am
S & S (Mugalivakkam)	6.47 am
Shakthi Nagar	6.48 am
Gopalakrishna Theater	6.49 am

via - Non Stop Poonamallee Bye Pass.
College campus — 7.40 am

37C. POONAMALLE

Kallarai Bus stop	7.00 am
Karaiyanchavadi	7.03 am
ChennerKuppam Flyover (Avadi road)	7.08 am
Parivakkam(TVS)	7.15 am
Poonamalle Bus depot	7.18 am
Nazarethpet	7.21 am
Chembrambakkam	7.30 am
RIT Bus stop	7.33 am
College campus	7.40 am

38.CHEYYAR — 5.45 AM

Kilaiyathurr	5.50 am
Irumanthangal	5.55 am
Mangal X Road	6.00 am
Mamandur	6.10 am
Ayyangarkulam X road	6.13 am
Abdullapuram	6.15 am
Sevilimedu	6.18 am
Housing Board	6.20 am
Gori	6.25 am
College campus	7.40 am

38C. VANDHAVASI

Vandhavasi New Bus Stand	5.35 am
Vandhavasi Old Bus Stand	5.40 am
Thenangur	5.45 am
Melma X Road	5.50 am
Manamadhi X Road	5.55 am
Peru nagar	6.00 am
Kuzhamanthal	6.05 am
KPM Collectrate	6.15 am
Taluk Office	6.20 am
Egambaranathar Temple	6.30 am

via: Non- Stop Sunguvarchathram,
Sripermbuthur, College campus 7.40 am

39.UTHIRAMERUR

Uthiramerur IOC Bunk	5.52 am
Thirupulivanam	5.52 am
Vengacherry	5.56 am
Magaral	6.04 am
Magaral Police Staion	6.06 am
Arpakkam	6.09 am
Vedal	6.12 am
Kalakkattur	6.15 am
Kurivimalai	6.18 am

Orikkai	6.20 am
Kanchipuram (Mlitary Road)	6.25 am
Chinnasamy Nagar	6.27 am
Keera Mandapam	6.29 am
Kachapeswarar Temple	6.33 am
College campus	7.40 am

40.WALAJABAD

Rangasamy Kulam	6.15 am
New Police Stn	6.16 am
Chetty Street	6.17 am
Perumal Koil	6.20 am
Tollgate	6.21 am
Periyar nagar	6.22 am
Kannigapuram	6.24 am
Anjaneyar Temple	6.25 am
Ayyampet	6.27 am
Ekkanampet	6.30 am
Rajampet	6.33 am
Walajabad	6.35 am

Non stop Sunguvarchatram, Sriperumbadur
College campus — 7.40 am

40C. KANCHIPURAM BUS STAND

Kanchipuram Bus stand	6.25 am
College campus	7.40 am

41. RANIPET

Rajeshwari theater	6.00 am
Ranipet Old bus stand	6.02 am
Ranipet New bus stand	6.03 am
Muthukadai	6.05 am
Walajapet GH	6.08 am
walajapet Bus stand	6.10 am
Walajapet tollgate	6.15 am
Sunguvarchatram	7.10 am

Via - Non Stop Sriperumbattur
College campus — 7.40 am

41C. VELLORE

Vellore Roundtana	5.30 am
Sathuvachari	5.35 am
Ganesh Theatre (Pututhaku)	5.45 am
Arcot Bus stand	6.00 am
Kaveripakkam	6.15 am
Ochery	6.20 am
Perumpullipakkam (Samathuvapuram)	6.30 am
Baluchetti	6.40 am
Ponnerikarai	6.40 am
College campus	7.40 am

42. ARAKKONAM

Old Bus stand	6.10 am
Bharath Petrol Bunk	6.11 am

New Bus stand	6.12 am
Railway Junction Rd	6.13 am

Via - Non Stop Thakaloma, Perambakkam
College campus — 7.40 am

42C. SR GATE (ARAKKONAM)

S.R Gate- Ambedkar Statue	6.15 am
INS RAJALI Bus stop	6.16 am
Perumuchi	6.17 am
Thakkolam Koot Road	6.23 am
Kadamnallur	6.22 am
S.N.Kandegai (Thakkolam)	6.23 am
Thakkolam Mel Bazzar	6.24 am
Thakkolam Kizh Bazzar	6.25 am
Pattumudaiyar Kuppam	6.28 am
Marimagalam	6.30 am
Sivapuram	6.32 am
Narashimpuram	6.34 am
Perambakkam	6.35 am
Koovam	6.36 am
Kondancheri	6.38 am
Mappedu	6.40 am

Via - Thandalam Root Road
College Campus — 7.40 am

43.THIRUTHANI — 5.40 AM

Fire Station	5.41 am
Thirupathi byepass	5.43 am
GRT College	6.00 am
Arcot Kuppam	6.10 am
Kanagamma Chathiram	6.15 am
Pattarai Permanthur	6.25 am
Thirupachur	6.30 am
Collectrate Thiruvallur	6.35 am
Manavalanagar	6.45 am
Catter Pillar	6.50 am
Melnallathur	7.00 am
Sengadu	7.10 am
Kattu Kootu Road	7.15 am
College campus	7.40 am

44. PANAPPAKKAM-NEMILI

Panappakkam	6.05 am
Nemili Bus Stand	6.10 am
Sayanapuram	6.18 am
Senthamangalam	6.22 am
Thirumalpur Rly. Station (pallur)	6.25 am
Kammarpalayam	6.26 am
Chengalvarayan College (Oovery)	6.29 am
Puthupakkam	6.32 am
Enjampakkam	6.35 am
Vellagate	6.40 am
Sunguvar Chatram Bus Stand	7.00 am
Sriperumbuthur Bus Stand	7.15 am
College Campus	7.40 am