

# **E.G.S PILLAY ENGINEERING COLLEGE**

**(Autonomous)**

**NAGAPATTINAM – 611 002**

**(Approved by AICTE, Affiliated to Anna University)**

**(Accredited by NAAC with 'A' Grade)**

**(NBA Accredited Programmes B.E – CSE, EEE and Mechanical)**



## **ANNUAL REPORT**

**(2016 – 2017)**



## BACKGROUND OF THE INSTITUTION

E.G.S Pillay Engineering College is a pioneering Engineering College, established in the year 1995, at Nagapattinam, which is a typical rural and backward area of Tamil Nadu. The institution was created by Late.G.S.Pillay. He was born on 2<sup>nd</sup> January, 1930 in a poor family. He was deprived of education due to his family circumstance. He went to Seychelles when he was 15 years old in search of employment for his livelihood. Through his sincere, hard and dedicated work, he started his own business in Seychelles in the year 1960 and from then on, he consistently scaled newer heights in his business ventures in that soil. His Dream of providing education to scores of underprivileged rural youth, paved the way to establish the following educational institutions in his birth place.

SL.No	Name of the Institution	Year of Establishment
01	E.G.S Pillay Engineering College	1995
02	E.G.S Pillay Arts and Science College	1996
03	E.G.S Pillay College of Pharmacy	2000
04	E.G.S Pillay Polytechnic College	2011
05	E.G.S Pillay College of Education	2014
06	E.G.S Pillay Nursery and Primary School	2006
07	Nagore Andavar Nursery and Primary School	2016

The farsightedness and long range planning of the late Chairman, Mr.G.S.Pillay received whole hearted support from the members of the Trust and got various programs implemented with the support of the nominated and officiating Secretaries of the trust from time to time. In recognition of his service to the cause of education in Nagapattinam district, he was fondly called as **“Father of Education”**. He lead a simple life having admirable qualities, exhibiting patriotism, kindness to fellowmen, service to the people in times of natural disasters, contribution to create amenities for common people, spirituality related works etc., which earned him name, fame and citations like, Doctor of Philosophy (Honoris causa), Chavalier and Man of Spiritualism.

The E.G.S Pillay Engineering College, Nagapattinam was the first institution established by Mr.G.S.Pillay in the year 1995 aiming at providing world class education in engineering, fostering industrial prosperity and aiding the socio-economic development of the nation at large. The institution was affiliated to Bharathidasan University, Trichy during the years 1995 to 2006 and afterwards the affiliation is being accorded by the Anna University.

The college is located in the significant pilgrimage zone of south India covering Velankanni, Nagore and neighbour state Karaikal-Thirunallar. It is situated close to East Coast Road (ECR) between Karaikal and Nagapattinam and 2 km from Nagore. The nearest Railway station is Nagapattinam which has direct link with Chennai and Trichy. The nearest airport is Trichy which is 120 km away and that of Chennai is 350 km away.

The college is stepping into 22<sup>nd</sup> year of excellent service in the year of 2017. Over these years, the college has attained commendable growth by developing itself in every aspect, in terms of academic programs, infrastructure development, staff recruitment, students admission, project and research activities, Transport, Training and Placement, centralized library, Sports and games etc.,

The college offers 6 UG degree program in B.E/B.Tech and 7 PG degree programs in M.E including MBA and MCA.

The Programs are

**UG Programmes:**

- B.E – Mechanical Engineering
- B.E – Civil Engineering
- B.E – Computer Science and Engineering
- B.E – Electrical and Electronics Engineering
- B.E – Electronics and Communication Engineering
- B.Tech – Information Technology

**PG Programmes:**

- Master of Business Administration
- Master of Computer Applications
- M.E – Manufacturing Engineering
- M.E – Computer Science and Engineering
- M.E – Communication Systems
- M.E – Power Electronics and Drives
- M.E – Environmental Science and Engineering

**Anna University Recognized Research Centres: CSE, Mechanical, ECE and EEE for MS/Ph.D**

**Vision**

Envisioned to transform our institution into a "Global Centre of Academic Excellence"

**Mission**

1. To provide world class education to the students and to bring out their inherent talents
2. To establish state-of- the-art facilities and resources required to achieve excellence in teaching -learning and supplementary processes
3. To recruit competent faculty and staff and to provide opportunity to upgrade their knowledge and skills
4. To have regular interaction with the Industries in the area of R&D and offer consultancy, training and testing services
5. To establish centers of excellence in the emerging areas of research

6. To offer continuing education and non-formal vocational education programmes that are beneficial to the society

### COLLEGE ACHIEVEMENTS AND MILE STONES

- Autonomous Status
- Accredited by NAAC with 'A' Grade
- Provisionally Accredited by NBA – 3 UG Courses – (B.E - CSE, EEE and Mechanical)
- Recognized by UGC for 2(f) and 12 (B) status
- Highly reputed College with the State -of- the - art Infrastructure
- Well Experienced Faculty
- Good placement record
- Clean and Green Campus - modern day Engineering and Technology
- Well disciplined students
- Supportive & Cooperative management
- Adequately equipped Laboratories as per university syllabus
- The college is well connected by road and train transport facility (ECR and NH45A)
- Well-equipped Library and Audio-Visual studio
- Co-Curricular Activities (Cultural fests and Technical fests) organized and participated by the students from all over the country
- Mentorship practice adopted for the students
- Multi-Disciplinary activities and knowledge sharing are carried out across the sister concern colleges of our management
- Industry-Institute Partnership Cell
- Eminent Guest speakers from academia, Industry and Service sector are invited for Interaction and exposure to best practices for the students and faculty
- College continuously produces rank holders and high percentage graduates
- College has reward system for high performing students and faculty members.
- Close monitoring of student performance and regular interaction with parents.
- Existence of EMC Centre of Excellence, VMWare IT Academy, Oracle Academy, HCL Technologies, IIT-Bombay Spoken Tutorial, etc.
- High-profiled and sophisticated communication lab, Moodle facility to the faculty and students.
- Well- equipped Gym, indoor and outdoor game facility.
- 7<sup>th</sup> place in Tamil Nadu and 24<sup>th</sup> place in India for Faculty Strength listed in Higher Education Review Magazine
- MoU Signed with Multimedia University, Malaysia, Tamil Nadu Fisheries University, Palo Alto Networks, USA and etc
- ICTACT – Academic Partners Excellence Award 2015 & 2016
- Group insurance scheme for students and faculty
- Nodal centre for Quality Improvement Cell by Anna University, Chennai
- Scholarships
  - Meritorious scholarships
  - Sports scholarship
- Wi-Fi and CCT enabled Campus



## Achievements

**Produced 8000+ Graduates, more than 6000 Registered Alumni, 117 University Rank Holders, more than 77% Placements in last year**



**ICTACT Best Academic Partner award-2015 & 2016**

**Best Blood Donor Award from 2010 to 2015**



**School Students Motivational-2015**

**CISCO Academy Years of Service-2014**



**CSI Accredited Award-2014**

**VMWare IT Academy-2015**



**Anna Univ – Sponsored FDTP-Dec'2015**

**EMC Centre of Excellence - 2016**



**Consecutive 2 years Zonal level Handball, Cricket winner-2014,2015**

**Google for work- Smart Administrator Award - 2016**



**Dr. Chev. GS. Pillay Achievers Day Function - 2015**



**Participation in Guinness Record for Highest Tree Plantation in Nagapattinam District-2013**

Our college was started in the year 1995 and it is the most preferred college in this region. From the inception of the college, the infrastructure and other facilities have been either newly created or enlarged every year depending on the new courses added, increase in intake and as per the norms and standards prescribed by the AICTE and Anna University.

The Faculty strength of the College is 250 and the college maintains the staff-students strength ratio of 1:15 for ensuring effective and quality education to the students. The academic programs and the day to day activities are implemented by the Principal, Dr.S.Ramabalan and all the HoDs. The college adopts Participatory Management Principle and the administration is a complete decentralized set up with Heads of Departments for academic matters and specified administrative heads for developmental activities.

The college has the required well qualified and experienced faculty members who are continuously encouraged with incentives and promotions. Senior faculty members are permitted to pursue Doctoral programs for gaining knowledge and for career growth. For the promotion of R&D activities in the College, exclusive R&D Department has been created. It is a regular feature in this college that our staff members are successful in getting several R&D, Faculty Development and other programs sanctioned by AICTE, New Delhi, Anna University and other Institutions. The college received fund from AICTE around 25 Lakhs for Model Lab, FDP and Workshop, overall last year 50 lakhs generated various agencies and consultancies. The college has organized 10 International conferences and 10 National conferences, Workshops, etc., during the last four years. The College has been selected by Anna University as a Nodal Centre for Quality Improvement Cell.



## ACTIVITIES AND EVENTS

### ONE DAY NATIONAL WORKSHOP TITLED "APPLICATION OF MODELING AND SIMULATION TECHNIQUE TO PRACTICAL FIELDS OF MECHANICAL ENGINEERING"



Chief Guest Address



Chief Guest's Interaction with participants

### AICTE SPONSORED FACULTY DEVELOPMENT PROGRAM



Honoring the Chief Guest



Chief Guest's Speech

### DEVELOPMENT ACTIVITIES

#### Product Development



Nano Paddy Harvester



Two wheeler Engine Equipped with Water-methanol Injection System

### INDUSTRY – INSTITUTE INTERACTION



MOU Exchanged between **EGSPEC – VMWare IT Academy**  
in presence of **Shri.S.Paramesvaran, Secretary**  
**Mr.Rajesh Nambiyar, VMWare** and  
**Mr.M.Sivakumar, CEO, ICTACT**

### International Events



Workshop on Additive Manufacturing



Conference – Prize Distribution



Workshop on Smart Structures



Seminar on IoT



The institution has been providing facilities continuously to the students to acquire additional skills and to under go enrichment courses. In this connection, Anna University Nodal Centre for QIC has been established in our college. NPTEL offered by IIT Madras, Spoken Tutorial project offered by IIT Bombay and Faculty training program offered by Anna University, Chennai are made available to the staff and Students. Bridge courses, Value added Course and Certification Courses are regularly offered to the students. Facility for receiving lecture from Eminent Professors of Anna University through Anna Edu-Sat programme has been created.

A training and placement cell is functioning efficiently in the college, headed by a Director and assisted by supporting staff. The cell organizes various programs to train the students for placement programs. It invites experts from various parts of the country to enhance the students' employability skills and communication skills. In the current year, 307 students of the final year have been placed in reputed organizations through campus recruitment program. The college has signed MoU with HCL, ICT Academy, Oracle, CISCO, EMC Corporation, etc.,

Tamil Nadu Pollution Control Board initiates to control Air Pollution in Nagapattinam in association with Department of Civil Engineering.

## CENTRE OF EXCELLENCE AND CAREER GUIDANCE

Centre of Excellence

**ORACLE ACADEMY**

**ICT ACADEMY**  
Innovate... Collaborate... Educate...

**HCL TECHNOLOGIES**

**UTL TECHNOLOGIES LTD.**  
BRIDGING ACADEMICS TO INDUSTRY

**paloalto NETWORKS**

**vmware IT ACADEMY**

**LabVIEW**  
NATIONAL INSTRUMENTS

**DELL EMC Center of Academic Excellence**  
Data Science & Big Data Analytics

### INDUSTRIAL VISITS & IP TRAINING

**Industries Involved in the In-Plant Training**

- UST Global, Cloud 9 Services, HCL, MARG, BSNL, All India, Radio, CPCL, NLC, Tech Mahindra, Hundai, Khiviraj Motors, etc

On-Site Seminar-All India Radio

Industrial Visit – UST Global

YEAR	NO. OF STUDENTS VISITED	NO. OF VISITS
2016-17	425	10
2015-16	385	8
2014-15	296	6
2013-12	212	3

### CAREER GUIDANCE, TRAINING & PLACEMENT

- ❖ An Exclusive T&P Cell – 6 Trainers, 1 T&P Officer & 1 Director
- ❖ Pre-placement Training –  
MoU with monster.com and Awake IAS Academy, Coimbatore and Silicon Systems, Madurai
- ❖ GRE, TOEFL, IELTS, GMAT, GATE and others
- ❖ Guest, Alumni and Expert lectures
- ❖ Interpersonal Relationship, HR Conclave
- ❖ Group Discussion, Motivational Programme
- ❖ PO interacts with HR for placements and finalize the date, venue, job profile, package, etc
- ❖ Placement team supports the HR through the Placement Process

**HR CONCLAVE – SEPTEMBER'2014**

Academic Year	No of Training events	No of participants
2016-17	82	452
2015-16	80	360
2014-14	74	320
2013-14	60	300

Discipline and Education are treated on par and the students are taken care by the staff on curriculum basis. The student's progress is monitored on daily basis and the parents are informed about the student's progress frequently. Irregularity, absenteeism etc of the students are reported to the parents then and there and students are motivated to shift to the right path. Special programmes are conducted for the slow learners for bettering their programme in the University exams. Through consistent efforts taken by the institution, our students get appreciable number of university ranks. For example out students obtained 150 University Rank holders in past five years

### Infrastructure and Learning Resources:

The following infrastructural facilities of the college augment learning

- Massive Buildings to house departments and classrooms
- Workshop and laboratory blocks
- Central Library
- Digital Library and Anna University Nodal Centre for Quality Improvement Cell
- Anna - Edusat Learning Centre
- Auditorium and Multipurpose hall with a seating capacity of 1500
- Separate Hostel for Boys and Girls with a total accommodation of 150 students
- Canteens and book shop
- Bank extension counter and ATM centre
- Teaching and non teaching staff Quarters – 4 Nos.
- Boys and Girls hostel.
- Material Testing Laboratory
- College Press and Publication Centre
- Playground and indoor games

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	49248	1,747,1306.91	-	-	49248	1,747,1306.91
Reference Books	822	1,56,180	-	-	822	1,56,180
e-Books	25	9500	-	-	25	9500
Journals	160	5,00,000	-	-	160	5,00,000
e-Journals	1401	21,00,000	-	-	1401	21,00,000
Digital Database	--	--	-	-	--	--
CD & Video	883	--	-	-	883	--
Others (book bank)	1246	2,63722.10	-	-	1246	2,63722.10

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	52
UGC – Faculty Improvement Programme	4
HRD programmes	3
Orientation programmes	221
Faculty exchange programme	2
Staff training conducted by the university	31
Staff training conducted by other institutions	67
Summer / Winter schools, Workshops, etc.	86
Faculty Self appraisal system	47



## RESEARCH AND DEVELOPMENT

### Promotion of Research

- ✓ No. of Ph.D. holders in the Institution : 40
- ✓ No. of Faculty pursuing Ph.D : 85
- ✓ No. of Recognized Supervisors in the Institution: 18
  - ✓ No. of Ph.D scholars : 30
  - ✓ No. of Scholar completed Ph.D : 12



### RESEARCH INITIATIVES

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned	Received
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	1	PMKV	4,50,000	4,50,000
	6	EGSPEC	2,20,000	2,20,000
Students research projects <i>(other than compulsory by the University)</i>	1	ISTE	10,000	10,000
	4	TNCST	45,000	45,000
Any other(Specify)	1	BFSI Traning Programme (TNSCST)	25,000	25,000
	1	Capacity Building, Tamil Nadu State council for science and Technology	1,00,000	1,00,000
	1	TAHDCO/ICTACT	56,000	56,000
	4	Training Programmes	60,000	60,000
Total	19	-	9,66,000	9,66,000

### Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- World Environment Day - 5.6.2016
- World Yoga Day - 21.6.2016

- Blood Donation Day - 1.10.2016
- Tree plantation program - 15.10.2016
- World AIDS Day - 1.12.2016
- Plastic awareness - 7.1.2017
- Youngster's Day - 12.1.2017
- Road Safety program - 3.3.2017
- Women's Day celebration - 7.3.2017
- NSS special camp at Thethi village (During camp karuvelam trees removing from this village)  
20.2.2017 – 26.2.2017

## EXTENSION AND SOCIAL RESPONSIBILITIES

### STUDENTS EXTENSION ACTIVITIES



FOUNDER'S DAY – FEEDING FOR POOR PEOPLE



ORGAN DONATION CAMP



ANTI-RAGGING DEBATE



DIGITAL LITERACY PROGRAMME

### STUDENTS EXTENSION ACTIVITIES



NSS AWARENESS CAMP



BFSI PROGRAMME



DONATION TO ORPHANAGE PEOPLE



ELECTORAL PURIFICATION



Alumni Meet @ Chennai



Renowned Alumni - Mr. D. Murugaraj, IFS



Alumni Association  
Student Motivation Programmes



Renowned Alumni - Dr. R. Ananthakrishnan, Associate Professor, NIT Trichy

### AWARDS / RECOGNITION RECEIVED BY FACULTY AND STUDENTS



Won First, second and Third prizes in District Level Honorable Chief Minister's e-governance contest

## PROFESSIONAL CHAPTER & CLUB ACTIVITIES



Renewable Energy Awareness Program - Aug'16 , Inaugurated by District Collector Shri T.Munisamy & Shri. S. Palanisamy Respectively

## Professional Society and Student Activities

### PROFESSIONAL SOCIETIES

SNO	PROFESSIONAL BODIES	ESTABLISHED	BRANCH CODE	MEMBERS
1.	IEEE	2011	STB98306	58
2	CSI	2012	I01720	250
3	ISTE	2010	IM1176	325
4	IE(I)	2012	IM000343-5	460



Programmers Paradise Club –E-box Course



During one week valued added course on Java Fundamentals & Java Programming

### Co curricular Activities



English Club

Science Forum

Symposium Competition

Student Association

SAE Club

ISTE Student Chapter

IEEE Student Chapter

Computer Society of India



Value Added Course

IEI Student Chapter



## SYMPOSIUM, SEMINARS & WORKSHOPS ORGANIZED



Participants of Workshop



Chief Guest Presentation



Program organizing committee members



Chief Guest Presentation

## Extra Curricular Activities

Sports

Valar  
Tamil  
Peravai

Cultural  
& Fine  
Activities

Yoga  
&  
Karate  
Club



Essay Competition – District Level

Gym

Indoor  
Games

Humor  
Club

NSS,  
YRC,  
RRC



Martial Arts – State Level



Table Tennis – Zonal Level

## Extra and Co-Curricular Activities

## STUDENTS CENTRIC ACTIVITIES



Voter's Day Rally



Tree Plantation



Blood Donation  
Camp



Students Motivation  
Program



## SPORTS AND HEALTH CLUB



Indoor Stadium



Play Ground



Basket Ball Court



Fitness Centre

## SPORTS ACHIEVEMENTS

### TABLE TENNIS FOR WOMEN

S.No.	NAME OF THE STUDENT	EVENT	HOSTED BY	RECOGNITION	YEAR
1.	V. SARANYA	TABLE TENNIS	Anna University	II	III (2012-16)
2.	J. ABINAYA	TABLE TENNIS	Anna University	II	III (2012-16)
3.	G. SANGAVI	TABLE TENNIS	Anna University	II	III (2012-16)
4.	J. AISHANELOFER	TABLE TENNIS	Anna University	II	III (2012-16)

### BADMINTON FOR WOMEN

1.	R. INDHUMATHI	BADMINTON	Anna University	IV	IV (2011-15)
2.	SUBASH PRIYANGA	BADMINTON	Anna University	IV	II (2013-17)

### HAND BALL

1	KARTHIKS	HAND BALL	Anna University	II	II (2013-17)
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### ATHLETICS

1	RAJESHKUMAR.G	ATHLETICS 400m	Anna University	I	III (2012-16)
2	RAJESHKUMAR.G	SHOTPUT	Anna University	III	III (2012-16)

### FOOTBALL

1	RAJAYKUMAR	FOOTBALL	Anna University	III	III (2012-16)
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## SPORTS ACHIEVEMENTS

**CRICKET – FIRST PLACE IN ZONAL LEVEL**  
(2013-2014, 2016-2017)

**BALL BADMINTON - CONSECUTIVE 5 YEARS WINNER IN ZONAL LEVEL**

**TABLE TENNIS - CONSECUTIVE 2 YEARS WINNER IN ZONAL LEVEL**

**HAND BALL - CONSECUTIVE 2 YEARS WINNER IN ZONAL LEVEL**

## SPORTS FACILITIES

**TOTAL AREA OF PLAY GROUND**

• **FIVE ACRES**

**OUTDOOR GAMES**

• BASKET BALL COURT  
• VOLLEY BALL COURT  
• BALL BADMINTON  
• 400 m TRACK  
• KABADI COURT  
• HAND BALL COURT  
• KHO-KHO

**INDOOR GAMES**

• BADMINTON  
• TABLE TENNIS  
• CHESS BOARDS  
• CARROM

**GYMNASIUM**

• 6 STATION MULTI GYM  
• STEPPER, JOGGER,  
• ROWING MACHINE & EXERCISE CYCLE.



## SPORTS ACHIEVEMENTS

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### HAND BALL

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### ATHLETICS

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### FOOTBALL

1	RAJAYKUMAR	FOOTBALL	Anna University	III	III (2012-16)
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## Stakeholder's Feedback Analysis

### **a. Feedback from alumni**

Feedback on curriculum is obtained from Alumni, when they come to the college to get their original Certificates / Degrees on completion of the course and attend the Alumni Meet arranged by the department concerned periodically. Based on the feedback, the necessary recommendations are proposed in the Board of Studies for discussion and approval. Alumni are also a member in the Board of studies. The recommendations made by the alumni, subsequently discussed and approved by the BOS.

### **b. Feedback from Parents**

During Parents' Meeting, parents meet the faculty to know about the academic performance, regularity, conduct and behaviour of their wards and they provide such information about the usefulness or suitability of the programme of their wards.

### **c. Feedback from Peers**

The College gets feedback from the Subject Experts, Resource Persons, Members of Inspection Commission and External Examiner for conducting Viva-voce, Special invitees to the seminars, symposium and workshops arranged in the College campus to enrich the curriculum.

Based on the feedback, the necessary recommendations are proposed in the Board of Studies for discussion and approval. Some of the recommendations made by the Peer Team, subsequently discussed and approved by the Board of Studies.

### **d. Industrial Experts**

Each Board of Studies is represented by a noted person from Industry. His / Her elucidations on the requirements of industry with regard to subject knowledge and skill are faithfully taken for consideration while revising / updating the curriculum.

Based on the feedback, the necessary recommendations are proposed in the Board of Studies for discussion and approval. Some of the recommendations made by the industrial experts subsequently discussed and approved by the Board of Studies.

## **BEST PRACTICES**

### **1. Studies on the efficacy of Rainwater harvesting system under Nagapattinam coastal situation**

- **Goal** – to harvest entire quantity of rainwater received in the campus with a view to save the expenditure on water bill and to charge the ground water which is highly saline
- **The Context** - the rainfall received in the campus over the total area of 25 acres is collected and stored in natural ponds, there will be huge saving in expenditure but also there is chance of improving the quality of ground water over the years
- **The Practice** - The rainwater received on roof tops of the building is also made to run into the pond with properly designed pipeline systems. The pond has the storage capacity of 6000 cubic metre of water
- **Evidence of Success** - The result indicates that there is great scope for creation of hundreds of such rainwater storage ponds which will be highly useful for Nagapattinam coastal areas where water scarcity prevails
- **Problems encountered and Resources required** - Roof top rainwater has to be conveyed through proper pipeline system, Civil work viz. surplus water outlet is required , Water pumping systems have to be installed for using the stored water.
- **Notes** - Design and Development of Rainwater collection, Storage and usage system are simple and very much needed technology for the water scarce areas

## **BEST PRACTICES**

### **2. Feasibility testing and Extension of the Technology of solar cum wind operated power generation system in Nagapattinam coastal areas**

- **Goal** – to undertake test verification and extension work of this technology through ocular demonstration of the model unit and offering technical knowhow.
- **The Context** - Combination of Solar and Wind energy technologies has yielded fruitful results in many places. Nagapattinam district blended with 150kms stretch of coastal belt has abundant sunshine and wind.
- **The Practice** - The prototype unit of a 5 KW Wind Hybrid (Wind 60% and Solar 40%), solar cum wind operated power generation unit has been installed in the college campus.
- **Evidence of Success** - The technology is proven and the unit is running successfully.
- **Problems encountered and Resources required** - The prototype unit of solar cum wind operated power generation is available only with limited organizations. Extraordinary time delay is experienced in shipping the unit by the supplier and executing erection of the unit.
- **The cost** of the project is Rs.8.00 lakhs. Requires technical man power for installation and demonstration of the working..
- **Notes** - The solar cum wind operated power generation system has great scope, especially in coastal areas where in sunshine and wind energy are abundant. The payback period of the project is calculated as 8 years, beyond which period, the power produced will be free of cost.



### List of Best Practises

- ✓ Open Source Lab
- ✓ VMWare IT Academy
- ✓ Quality Improvement Cell
- ✓ Designers Domain
- ✓ E-Learning Portal
- ✓ E-Counseling Systems
- ✓ Banking Financial Services Insurance Nodal Centre
- ✓ Programmers Paradise Club



**Programmers Paradise Club –E-Box Course**



**Quality Improvement Cell**



**ICTACT – HR Conclave**



**Academic Excellence**

### Innovations

- ✓ **Office Administration** - Computerized students performance monitoring system, Bio-metric attendance systems
- ✓ **Energy Conservation/Protection of Eco-System** – Solar Water Heater, Solar Light, Solar cum wind power plant, Rain water Harvesting, Sewage treatment
- ✓ **Research & Development** – Student Projects (Salary master, E-Counseling, Attendance Submission system, Diesel filling and Incentive Calculator )

- ✓ **Student Progression** – Special program for rural and Tamil medium students, leading placement provider in this region, Education for large no. of SC and Girl students, nearly 80% of students getting financial assistance
- ✓ **Social Responsibilities** – Contribution to TSUNAMI affected people, Tree Plantation in coastal area, Organ & Blood donation Camps, Solar fish drying unit for Nagapattinam municipality

## ENVIRONMENT CONSCIOUSNESS



CLEAN CAMPUS - GREEN CAMPUS ENVIRONMENT FRIENDLY ATMOSPHERE



BIO GAS PLANT

## ENVIRONMENT CONSCIOUSNESS



HYBRID WIND & SOLAR PLANT

MoU signed for 100 kVA  
Roof Top Solar Plant-  
Ravin Solar, Pune



SOLAR WATER HEATER



RAIN WATER HARVESTING

## INNOVATIVE PRACTICES



Solar  
Panels  
(1.5 kW)



Wind  
Mill  
(4.5 kW)



Solar lights – GG Block



Solar lights – SJ Block

**Strength:**

- ❖ Institution is 20 years old and located in city limits
- ❖ Faculty retention is appreciable
- ❖ Encouragement for acquisition of higher qualification by faculties
- ❖ Funded Research Projects, Sponsored FDP's/STP's/Conferences

**Weakness:**

- ❖ Majority of students are of average level and from rural areas
- ❖ Majority of students are dayscholars.
- ❖ Inadequate industry interaction
- ❖ Qualified/Experienced faculty are unwilling to come due to locational disadvantage
- ❖ R & D and Consultancy works are to be improved.
- ❖ Sports and games activities are to be improved

**Opportunities:**

- ❖ Scope for person oriented and location specific and sponsored research projects.
- ❖ Innovation in teaching-learning process.
- ❖ Preparations for web-based online courses
- ❖ Attraction of students from all over Tamil Nadu and other states.
- ❖ Students participation in club activities, inter collegiate activities etc.
- ❖ Preparing students for GATE, Aptitude Exams, etc.
- ❖ Increased interaction with industries and alumni

**Challenges:**

- ❖ Training of average students and with rural and diverse background.
- ❖ Preparations for students' progression in higher education
- ❖ Rising up to the level of technology development.
- ❖ Consultancy and extension services
- ❖ Collaboration with industries/Institutions.
- ❖ Attracting creamy layer students and students from other districts/states

### Plan of Action by IQAC/Outcome

- ❖ The plan of action chalked out by the IQAC in the beginning of the year towards quality
- ❖ enhancement and the outcome achieved by the end of the year

Plan of Action	Outcome Achieved
Conduct national level seminars/conferences/workshops by all departments.	Conducted by all the departments
Energize the activities of all the clubs and forums in the college.	All the clubs are conducting events periodically
Complete the Construction work of the separate amenities block	Amenities block construction completed
Quality enhancement programmes to students, teachers and administrative staffs.	Conducted the programmes
International Conference	Conducted the programmes
Quality Publication (By Faculty members)	Papers are publishing in reputed journals
Conduct IQAC Internal & External Academic Audit, Log book Verification, External Audit	Conducted for all the departments
Initiate social responsibility activity	Programme conducted by NSS

### Plans of Institution for next year

- Plan to get Accreditation for remaining programmes
- Plan to obtain Research Centre Recognition for Civil, IT, MCA, MBA and Humanities & Science departments
- Strengthen Industry Institute Interaction through Installing of Industry Institute Partnership Cell (IIPC).
- Conducting Entrepreneurship training and certification programme to students from their first year onwards through Entrepreneurship Development Cell (EDC)