

Om Sakthi



APEC Digest

(Bi-monthly)

May-June 2013

Vol-I No.1

ADHIPARASAKTHI ENGINEERING COLLEGE

(Approved by AICTE & Affiliated to Anna University Chennai)

(Accredited by National Board of Accreditation)

Melmaruvathur -603 319, Tamilnadu, India.

An ISO 9001: 2008 Certified Institution.

Phone No: 044-27529247, 044-27529502

WEB: www.adhiparasakthi.in



STUDY

SPIRITUALITY

SERVICE

Principal's Desk

Dear Colleagues,

It gives me immense pleasure to make an announcement that Adhiparasakthi Engineering College, Melmaruvathur has contemplated to release a bi-monthly bulletin, named as APEC Digest. The first issue for May-June 2013 has just come out carrying details of activities and achievements of students and faculty members of the college. To start with, a tree-diagram depicting the working arrangements of the college is enclosed to facilitate the industries/organizations for greater interaction with the institute. The activities of the various organs of the college are classified as below.

1. Faculty pursuing Ph.D programme.
2. Outside faculties pursuing Ph.D programme at APEC.
3. Details of Software/Hardware training to students.
4. Students undergone inplant training.
5. Faculty Development Program (FDP) organised and attended.
6. Faculty Publications.
7. Significant Projects undertaken.

I am delighted to present here that there are 26 Ph.D holders on the roll as faculty members. The college is a recognized research centre approved by Anna University, Chennai. Several of the faculty members have obtained guideship to supervise research scholars of various other universities.

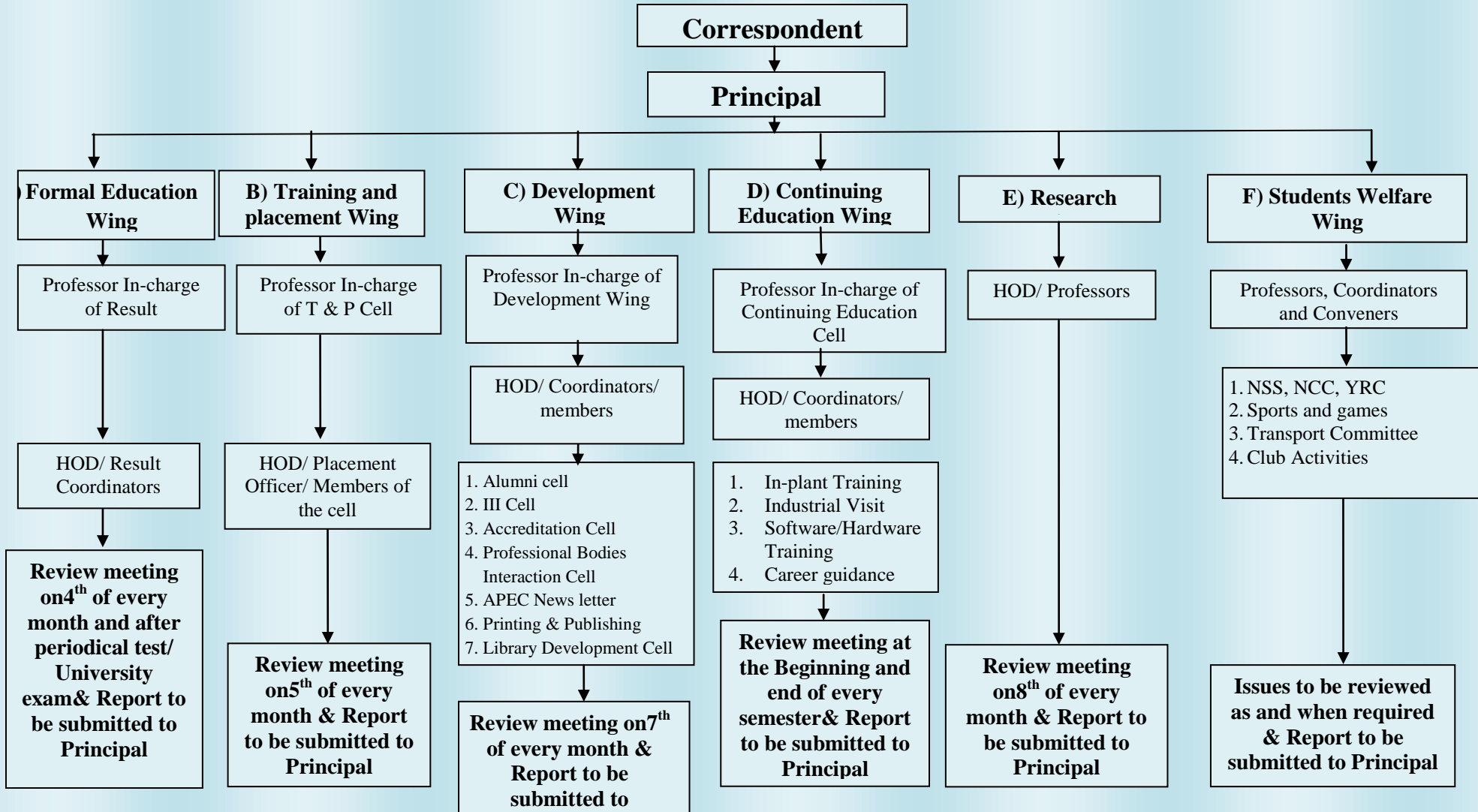
I do hope that the Digest would be of immense value to industries and they would come forward to utilize this in their activities and also establish continuous contact with the institute. The college has several centres of different bodies namely CISCO Academy, ICT Academy; CII etc. It has various cells for facilitating activities of students.

Expecting a great cooperation in the years to come,

Yours Sincerely,

(Dr.V.Ramasamy)

WORKING ARRANGEMENT OF THE COLLEGE



- If the particular day is holiday, meeting has to be conducted on the next working day
- All meetings have to be held in the conference hall / Principal chamber
- All members attending the meeting are requested to come prepared for the meeting (Agenda of the meeting has to be given before hand).
- All the members in the meeting will be given opportunity to express his/her views. So no cross talk will be allowed.
- All Review meeting should invariably be started at 10.00 A.M

Best Department Award would be given for achieving the best results in the above criteria (A to E) evaluated by the outside juries

I. Faculty Pursuing Ph.D Programme:

S.No.	NAME OF THE STAFF	DEPARTMENT	TITLE OF RESEARCH
1.	Mr.R.Venkatakrishnaiah	Civil	Bulk utilization of high calcium fly ash in structural concrete.
2.	Mr.A.Krishnamoorthy	Civil	High strength concrete using quarry dust as fine aggregate.
3.	Mr.M.Marriappan	Civil	Structural performance of FRC beams with externally bounded FRP laminates.
4.	Mr.B.Krishnamoorthy	Civil	Performance study of Egg shell Concrete
5.	Mr.C.Selin Ravikumar	Civil	Investigation on earthquake resistant characteristics of fly ash concrete structural components.
6.	Mr.P.Ramesh Kumar	Mechanical	Process monitoring and control using digital image Processing
7.	Mr.U.MohammedIqbal	Mechanical	Modeling and experimental studies on twist extrusion
8.	Mr.V.Nadanakumar	Mechanical	Alternate fuel
9.	Mr.D.R.Rajendran	Mechanical	Design of solar receiver, Design and fabrication of solar receiver
10.	Mr.N.Senthil Kumar	Mechanical	Optimization of geometrical parameter in turning
11.	Mr.S.Gopikannan	Mechanical	Path planning in multiple mobile robot system
12.	Mr.L.Ramachandran	Mechanical	Lean manufacturing
13.	Mrs.P.Mangayarkarasi	ECE	Performance optimization of wireless relay networks by efficient power allocation
14.	Mrs.M.Malathi	ECE	A new approach to balance end to end delay and Qos in Wireless Networks
15.	Mr.P.Thirumaraiselvan	ECE	Modeling of electromagnetic wave propagation to characterize the wireless channel in wireless sensor network
16.	MrsR.Jothichitra	ECE	Design, analysis and Optimization of slotted microstrip patch antenna array for WIMAX
17.	Mr.Sakthidasan	ECE	Study on Segmentation in Image processing

18.	Mr.P.Selvaraj	EEE	Multi-level VSI topology for wind energy
19.	Mrs.N.Hemalatha	EEE	Sensor less control of PMBLDC Motor
20.	Mrs.R.ThamaraiSelvi	EEE	Doubly fed IM
21.	Mrs.DThamizharasan	EEE	Advances in PWM topologies in VSI
22.	Mrs.C.Nayantara	EEE	Social Welfare maximization for Electrical Networks
23.	Mrs.L.U.Sudha	EEE	Voltage Stability enhancement using STATCOM
24.	Mr.P.Pugazhendiran	EEE	Power quality improvement using custom power devices
25.	Mr.J.Malmurugan	EEE	Unified three phase power analysis model for DER systems
26.	Mrs.K.E.Lakshmiprabha	EEE	An investigation of ANN based PID Controllers using three area load frequency control in Interconnected Power System.
27.	Mr.C.Kathiravan	EEE	Performance high frequency soft switching AC conversion Circuit for high power induction Heating applications
28.	Mrs.A.Latha	CSE	Life Time Optimization for Wireless Sensor Network Using Secure Data Aggregation
29.	Mr.B.Prakash	CSE	Studies on Secured Energy Efficient Routing in Random Multi-hop Wireless MESH Networks
30.	Mr.G.Prabaharan	CSE	Investigation on Various Approaches for File Sharing With Improved Reliability in ADHOC Networks
31.	Mr.B.Sivakumar	IT	A new secure routing protocols in Adhoc Networks
32.	Mr. A.K.Gnasekar	IT	Performance Enhancement of Mc-Ds-CDMA System Using Cadence RF Analog Design Tool
33.	Mr.Babu	IT	Dynamic Coupling Measurement for Distributed Object Oriented Software
34.	Ms.Elamathi	IT	Secure routing Over Heterogeneous Wireless Networks
35.	Mr.Pitchai	IT	Automatic Software Deployment using Secure Virtualization in Cloud Computing.
36.	Mrs.T.Veeramakali	IT	Preemptive Repeat Priority Queuing in Cognitive Radio Networks

37.	Miss.N.Legapriyadharshini	IT	A Study and Design A New Routing Protocols In Wireless Sensor Networks
38.	Mr.S.Velmurugan	Chemical	Degradation of textile dye effluent by advance oxidation process
39.	Mr.G. Vijayaraghavan	Chemical	Feasibility studies on treatment of wastewater by coagulation using algal alginate.
40.	Mrs.G. Saraswathy	Chemical	Studies on herbal nanoparticle adsorption & control of mosquito larval and other water- borne organisms
41.	Mr.S.P.Ponnusamy	MCA	Design and Development of Hot-Point Proxy (HPProxy) Caching with Multivariate Sector for Effective Multimedia Streaming
42.	Mr.P.Velayutham	MCA	Software requirement engineering using Emergent Qualities.
43.	Mr.G.Babu	MCA	Design and Development of Algorithms for identifying optimal customers using association rule mining and particle Swarm Optimization.
44.	Mrs.S.Sudha	MCA	Adaptive approach for Joining and submissive view of data in Data warehouse using ETL.
45.	Mrs.R.SathyaJanaki	MCA	Stigmergy based routing protocol for distributive Ad hoc networks
46.	Mr.A.Sasikumar	MCA	Efficient Evaluation of spatial Information using superior preference.
47.	Mr.S.Gangadharan	MBA	A study on effectiveness of public service advertising in health awareness among the rural youths in kancheepuram district, Tamilnadu.
48.	Mr.K.Sampath	MBA	A study on HRD Practices and its consequences in commercial banks with special reference to Madurai District.
49.	Ms.C.Rajalakshmi	MBA	A study on impact of listeners segmentation profile in using fm radio as a potential medium for advertising with particular reference to chennai
50.	Mrs.J.Logeswari	Chemistry	Carbon Nano tubes
51.	Mrs.S.SakthiRadha	Chemistry	Semiconductor Photo Catalyst
52.	Ms.S.Manimeghalai	Chemistry	Liposome-drug interactions through fluorescence

53.	Ms.S.Udhayavani	Chemistry	Study of Induced electron transfer reaction
54.	Mrs.D.Shanthi	Chemistry	Synthesis of spectral analysis of chalcones
55.	Mrs.R.Jothirani	Chemistry	Monitoring water pollutants by fluorescence spectroscopy
56.	Mrs.M.Anbarasi	Chemistry	Photo physical behavior of cyclodextrin complexes
57.	Mr.M.Mahadevan	Physics	Crystal growth
58.	Mr.P.Balakrishnan	Mathematics	Performance Analysis of Queues-Matrix Geometric Method
59.	Mr.P.Duvaraganathan	English	Universal values in the select works of R.W.Emerson and C.SubramaniyaBharathi
60.	Mrs.V.Srishailla	English	Portrayal of women in Indian Literature
61.	Mr.Z.Justin	English	Religious Conflict Portrayed in the Novels of contemporary writers
62.	Mrs.G.Saraswathy	Chemical	Studies on herbal Nano- particle adsorption for control of mosquito larvae
63.	Mr.C.Marimuthu	Chemical	Life cycle assessment in renewable energy technology

II. Outside Faculties Pursuing Ph.D at APEC Research Centre:

S.No.	NAME OF THE STAFF	DEPARTMENT	TITLE OF RESEARCH
1.	Mr. S. Venkatraman Tagore Engineering College, Chennai.	CIVIL	Natural Hydrocolloids as Additives in cement concrete a performance study
2.	Mr. RS. Muralitharan GKM College Engineering and Technology, Perungalathur, Chennai	CIVIL	Development of high performance light weight concrete study
4.	Mr. J. Kumar GKM College Engineering and Technology, Perungalathur, Chennai	CIVIL	Development experimental investigation on axial capacity of high performance concrete filled hollow sections
5.	Mr. D. Kamalnataraj School of Engineering, Surya group of Institutions, Vikravandi, Villupuram	CIVIL	Design of construction safety

6.	Mr. RG. Ramesh Khumaar Rajagopal Polytechnic college, Gudiyatham	CIVIL	Behaviour of hybrid fiber as secondary reinforcement in concrete
7.	Mrs.R.ThamaraiSelvi UCET-Villupuram	EEE	Doubly fed IM
8.	Mr.DThamizharasan Surya College of Engineering and Tehnology, Villupuram.	EEE	Advances in PWM topologies in VSI
9.	Mrs.C.Nayantara Sai Ram Engineering College, Chennai.	EEE	Social Welfare maximization for Electrical Networks
10.	Mrs.L.U.Sudha E.S. Engineering College, Villupuram.	EEE	Voltage Stability enhancement using STATCOM
11.	Mr.P.Pugazhendiran IFET College of Engineering, Villupuram.	EEE	Power quality improvement using custom power devices
12.	Mr.J.Malmurugan Surya College of Engineering and Tehnology, Villupuram.	EEE	Unified three phase power analysis model for DER systems
13.	Mrs.K.E.Lakshmiprabha KVCET, Kancheepuram Dist.	EEE	An investigation of ANN based PID Controllers using three area load frequency Control in Interconnected Power System.
14.	Ms.K.Lakshmi Joshitha Sai Ram Engineering College, Chennai.	ECE	Mitigation of energy hole problem in wireless sensor networks
15.	Ms.T.Subha Sai Ram Engineering College, Chennai.	IT	Data Storage Security in Cloud Computing
16.	Mrs.M.Balasaraswathi, Thiruvalluvar Engineering College	ECE	Security in Wireless Sensor Network
17.	Mr.V.Sivasankaran Kamban Engineering College, Thiruvannamalai.	ECE	Novel method for bandwidth aware handoff and handoff latency reduction in heterogeneous wireless network using cross layer approach.
18.	Mr.C.Annadurai SSN College of Engineering, Chennai.	ECE	Adaptive Scheduling in mobile Adhoc network
19.	Mr.V.Jayekumar Mailam Engineering College, Mailam.	ECE	Study on Adhoc network

20.	Mr.B.Parthibane SSN College of Engineering, Chennai.	ECE	Security issues in Adhoc Network
21.	Ms.Hemamalini, Adhiparasakthi College of Engineering, Kalavai	ECE	Water marking in image processing
22.	Mr.S.Balaji, Paul's college of Engineering and Technology, Villupuram	CSE	Secure Multi Part Communication Protocol for heterogeneous network
22.	Mr.A.Jagan, Surya Group of Institutions- School of Engineering & Technology, Villupuram	IT	Performance Investigation on Elliptic curve cryptography Algorithms
23.	Ms. P.Supraja Full time-APEC	CSE	Nano communication network security
24.	Mr.S.Muthukumar Full time-APEC	ECE	On The Performance Of Cooperative Wireless Network Using Multi User MIMO

III. Details of Software/Hardware training conducted to prepare the student industry ready:

Department	Year	Name of the training	Duration	Conducted by
Civil	III rd Year	Revit Architect	40 hrs	KKM Soft Pvt. Ltd., Chennai
Mechanical	III rd Year	Catia	7 days (50 hrs)	ProCAE, Chennai
Mechanical	IV th Year	Hypermesh	7 Days (50 Hrs)	ProCAE, Chennai
EEE	III rd year	AUTOCAD	9 Days	MAC Technologies
EEE	IV th Year	PLC & SCADA	8 days	MAC Technologies
CSE	IV th Year	C# and .NET, Foundation Skills in Information Technology	8 Days (70 hrs)	SoftXper Solution Pvt Ltd Chennai, ICTACT Academy, Chennai
IT	IV th Year	FSIT, Android	140 Hours	ICTACT, Dreams Plus
Chemical	IV th Year	Simulator Training on Process Fundamentals	5 days	SIM INFOSYSTEMS PRIVATE LIMITED, Chennai.
MCA	III rd year	PHP with MySQL	9 days	Emerge Learning services (P) Limited Chennai

IV. Students undergone In plant Training:

Department	YEAR	Duration	Organization/Industry
CIVIL	III rd and IV th Year	One week to two weeks	Chennai Metro Rail Ltd., Chennai Port Trust Elite Construction, Chennai Elite Construction, Chennai Vijay Nirman Company Ltd., Chennai (Ennore), L&T Pvt.Ltd.,(Olympia Grande), Chennai, Chennai Port Trust, Jain Housing Construction, Chennai
MECH	III rd and IV th Year	One week to two weeks	UCAL Fuel system-chennai, TNGDCO-thermal station, Ambal-maruthi Suzuki Coimbatore
ECE	III rd and IV th Year	One week to two weeks	BSNL (Cuddalore), UNIQ Technologies (Kodambakkam), Novell Communication Technology (Pondy), BSNL (Tanjavore), BSNL (Tiruvannamalai JiffyTechnologies (Nerkundram) BSNL (Meenambakkam MAPS, Real Time InfotechKaashivInfotech, Chennai Kodai FM (Kodaikanal) UNIQ Technologies, NLC.
EEE	III rd and IV th Year	One week to two weeks	U.N.I.Q technologies, Chennai., Madras Atomic Power Station,Kalpakkam, TNEB substation, Cuddalore, Thermal power station expansion-1 Neyveli, L& T Construction, Power Transmission and Distribution, Chennai, NLC, Neyveli.
CSE	III rd and IV th Year	One week to two weeks	Uniq Technologies (T.Nagar), Madras Engineering Industry, Mobiwhiz (T.Nagar), Uniq Technologies (T.Nagar), Madras Engineering Industry, Mobiwhiz (T.Nagar)
IT	III rd and IV th Year	One week to two weeks	Outrance Technologies Chennai, KaashivInfotech, Chennai, Govt. Of India, Minister Of Defence, Heavy Alloy Penetrator Project (Happ), Trichy, Jiffy Solutions Chennai, “Software Training & Development Process Team”, KaashivInfotech, Chennai, Uniq Technologies Chennai, Jiffy Solutions Chennai, “Software Training & Development Process Team”, iBOT Technologies Chennai

CHEMICAL	II nd and III rd Year	One week to two weeks	M.R.K Co-operative Sugar Mills Ltd, Cuddalore Dist, Dharani Sugars Pvt Ltd, Villupuram Dist, Inox Air products Ltd, Pondicherry, Piramal Health Care Ltd, Ennore, DCW LTD, Tuticorin, CPCL,CBR, Panangudi, Orchid Pharmaceuticals LTD, Chennai, Amaravathi Co-operative Sugar Mill, Sakthi Sugar Mill.
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V. Faculty Development Programmes Organized (FDP):

Name of the Coordinator	Type	Sponsored by	Topic	Date & year
Dr.J.Baskaran, Prof & HOD/EEE	Faculty Development Programme	AICTE - ISTE	FACTS Controller Applications in Transmission Line	12 th to 25 th June 2013
Dr.V.Nagarajan Prof & HOD/ECE	Faculty Development Programme	AICTE - ISTE	Emerging Issues And Challenges In Wireless Networks	10 th To 19 th June

VI. Faculty Development Programmes (FDP) Attended:

Name of the Faculty	Department	Organization/ Industry	Title	Duration
Mr.R.Venakatakrisnaiah	Civil	Valliammai Engineering College	Railways, Airport and HarbourEngg.	1 Week
Mr.A.Krishnamoorthi	Civil	Valliammai Engineering College	Railways, Airport and HarbourEngg.	1 Week
Mr.C.SelinRavikumar	Civil	Anna University, Chennai	Structural Analysis-I	1 Week
Mr.C.SelinRavikumar	Civil	Dr.M.G.R. University	Analysis and design of Structures: Staad Pro	1 Week
Prof.Dr.M.Kannan	Mech	UCET-Villupuram	Thermal Engineering-Resource Person	2 Days
Mr.P.RameshKumar	Mech	NIT-Tiruchirappalli	Quantitative Research Technique and tools	1 Week

Mr.S.Gopalakannan,	Mech	PEC-Pondicherry	Green manufacturing and materials	1 Week
Mr.U.MohammedIqbal	Mech	PEC-Pondicherry	Green manufacturing and materials	1 Week
Mr.V.NadanaKumar	Mech	PEC-Pondicherry	Renewable Energy	1 Week
Mr.N.SenthilKumar	Mech	MAMCE Tiruchirappalli	Recent Research and development in Manufacturing process	2 Week
Mr.S.Pachiappan	Mech	UCET-Villupuram	Thermal Engineering	1 Week
Mr.J.Sivakumar	Mech	Anna University- Chennai	Design of jigs and fixtures	1 Week
Mr.S.Gopikannan	Mech	NIT-Tiruchirappalli	Quantitative Research Technique and tools	1 Week
Mr.R.Pachiappan	Mech	UCET-Villupuram	Thermal Engineering	1 Week
Mr.R.Ilandjezhian	Mech	PEC-Pondicherry	Renewable Energy	1 Week
Mr.A.Sivanand	Mech	Anna University- Chennai	Design of jigs and fixtures	1 Week
Mrs.M.Rajalakshmi	ECE	College of Engineering, Anna University	Cryptography & Security	1 Week
Mrs.R.Kanchana	ECE	Anna University, MIT Campus	Signals And Systems	1 Week
Mr.J.Raja	ECE	Anna University, MIT Campus	Mobile And Pervasive Computing	1 Week
Mrs.M.Malathi	ECE	College of Engineering, Anna University	Cryptography & Security	1 Week
Miss.Rampriya Mahendran	ECE	College of Engineering, Anna University	Cryptography & Security	1 Week
Miss.R.Gomathi	ECE	Anna University, MIT Campus	Signals And Systems	1 Week
Mrs.M.C.Sathya	ECE	Anna University, Tirunelveli	Mobile And Pervasive Computing	1 Week
Mrs.M.Jenath	ECE	KarpagaVinayaga College Of Engineering & Technology	Signals And Systems	1 Week

Mr.J.Raja	ECE	Anna University, MIT Campus	Information Theory and Coding	1 Weeks
Dr.J.Baskaran	EEE	Kongunadu College of Engg and Tech	Rural Development by Green Energy	2 Weeks
Dr.J.Baskaran	EEE	K.S.R. College of Technology	Nanotechnology for Sustainability Energy conservation and Storage	2 Weeks
Mrs.N.Hemalatha	EEE	NIT Trichy	Technical writing for research scholars in Engineering and The science	2 days
Mrs.P.Tamizharasi	EEE	CTDT , ANNA UNIVERSITY	R&D Project Proposals-Awareness ,needs and Benefits	1 day
Mr.P.SelvarajAP/ EEE	EEE	K.S.R. College of Technology	Nanotechnology For Sustainability Energy conservation and Storage	1 week
Mrs.A.Latha	CSE	CTDT , ANNA UNIVERSITY	R&D Project Proposals-Awareness ,needs and Benefits	1 day
Mr.Hariganesan S	CSE	IIT Bombay (Venue: SRM Engineering College)	Database Management Systems	10 days
Mr. Balamurugan R	CSE	IIT Bombay (Venue: SKP Engineering College)	Database Management Systems	10 days
Mr. Prabhakaran M V	CSE	Pondicherry Engineering College	Software Architecture Engineering, Modeling Tools And Programming Practices	2 Weeks
Mr. Sivakumar S	CSE	IIT Bombay (Venue: SKP Engineering College)	Database Management Systems	10 days
Mrs.Sivakamasundari P	CSE	Prathyusha institute of Technology and Management	Wireless Network Security	2 Weeks

Mr.Rajesh R	CSE	IIT Bombay (Venue: SKP Engineering College)	Database Management Systems	10 days
Mr.Rajesh R	CSE	MIT, Chennai	Mobile and Pervasive Computing	1 week
Mr.G.Sekar	CSE	IIT Bombay (Venue: SKP Engineering College)	Database Management Systems	10 days
Mrs.R.Srividya	CSE	Prathyusha institute of Technology and Management	Wireless Network Security	2 Weeks
Ms. Josephine Veena D	CSE	Prathyusha institute of Technology and Management	Wireless Network Security	2 Weeks
Mr. RajanP	CSE	Pondicherry Engineering College	Image Processing Wireless Sensor Network	5 days
Mr. Ramkumar D	CSE	IIT Bombay (Venue: SKP Engineering College)	Database Management Systems	10 days
Mr. Ramkumar D	CSE	MIT, Chennai	Mobile and Pervasive Computing	1 week
Mr. Moorthi K	CSE	MIT, Chennai	Mobile and Pervasive Computing	1 week
Ms. Loganayaki D	CSE	IIT Bombay (Venue: SRM Engineering College)	Database Management Systems	10 days
Mr.Balashsankar M	IT	VNRVJIET Hyderabad	Recent Trends in Cloud Computing and Security	2 Weeks
Mr.Maravarman M	IT	VNRVJIET Hyderabad	Recent Trends in Cloud Computing and Security	2 Weeks

Mr.Kathirvel C	IT	VNRVJIET Hyderabad	Recent Trends in Cloud Computing and Security	2 Weeks
Mr.VigneshChakkarvarthy	IT	VNRVJIET Hyderabad	Recent Trends in Cloud Computing and Security	2 Weeks
Mr.Kathirvel C	IT	PEC Pondichery	Security Issues in Heterogeneous Wireless Network	2 Weeks
Ms.Elamathi N	IT	PEC Pondichery	Security Issues in Heterogeneous Wireless Network	2 Weeks
Mr.Pitchai R	IT	MepckoSchlenk Engineering College	Service Oriented Architecture	1 Weeks
Mr.Silambarasan M	IT	GCT Coimbatore	Cloud Computing	2 Weeks
Mr.Kamal Kishore	IT	ITS Ghaziabad	Emerging Trends and Research Aspects in 3G Wireless Communication	2 Weeks
Mr.G.Vijayaragavan	Chemical	VIT University, Vellore	FDP on Stress Reduction for Brain Health	3 days
Mr.C.Marimuthu	Chemical	Anna University, Chennai	FDP on Mass Transfer-I	7 days

VII. Faculty publication details:

S.No	Name of the Author	Title	Name of the conference	Month & Year of Publication
1	Dr.S.GopalaKannan	Statistical Optimization of EDM parameters on Machining of Aluminum Hybrid Metal Matrix composite by applying Taguchi Based grey analysis	Journal of scientific and Industrial Research	June 28, 2013: Vol.72(6);Page No:358-365,(Impact factor:0.597,H index:23)
2	Dr.T.S.Thandavamorthy	Experimental Investigation Of Rat-Trap Bond Masonry Systems Under Base Shock Excitation	Journal Of Structural Engineering	June-July 2013
3	Dr.T.S.Thandavamorthy	Earthquake Damaged Reinforced Concrete Structure Rehabilitation and Strengthening	IJEUHAM	July-Dec 2012

4	A.Krishnamoorthi	Structural behavior of beams using quarry dust as fine aggregates	International conference on engineering material & process	May-2013
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VIII. Significant projects Undertaken:

S.No	Department	Project Title
1	CIVIL	Treatment of effluent from textile industry by dried beans
2	CIVIL	Conversion of waste to building materials- Bagasse ash bricks
3	CIVIL	Experimental study of coconut shell as coarse aggregate in concrete
4	MECHANICAL	Wave energy convertor using flat plat
5	MECHANICAL	Design, development, simulation. Control and implementation of a versatile snake-like robot
6	MECHANICAL	Dynamic analysis of offshore floating wing energy system
7	MECHANICAL	Performance analysis of diesel engine using castor seed oil blends
8	MECHANICAL	Characterization and analysis for optimized composition aluminium metal matrix nanocomposite
9	ECE	MRC based Performance Analysis Of Wireless relay Networks.
10	ECE	Single, Dual, Tri-Based-Notched Ultra Wide Band Antennas Using Capacitive Loaded Loop(CLI)Resonators
11	ECE	Reconfigurable Beam Steering Using A Micro Strip Patch Antenna With U-Slot For Wearable Fabric Applications
12	ECE	A computational technique for 2D wormhole mesh network using VIP connection
13	ECE	Realization of ASIC design for carrier frequency offset estimation using zero-IF and ZCZ in MC-DS-CDMA system using cadence
14	EEE	Low Power, Noise free Divided-By-4/5 Counter design Using Domino logic technique.
15	EEE	Generating Electrical Power By Using Vertical Axis Wind Energy System.
16	EEE	Vision Based Clearing Of Humanoid Robots
7	EEE	GSM Based Gas Leakage Defection And Alert System.
18	EEE	Solar Based Mixed Power Pack(3 Applications)
19	CSE	Pattern Recognition To Categorize Fresh water Algae in Urban Eco-System : A Machine Learning Based Approach
20	CSE	GAIT Based Inertial Navigation System Using Mobile Sensors

21	CSE	A Novel GARC Input Method For User Interaction With System
22	CSE	Retrieval of Web Pages by Efficient Search of Domains Based on Ranking Model
23	CSE	Intelligent Machine Learning Approach For NLP
24	MCA	Remote and intelligent automatic EB meter reading storage and SMS alert with cost using Zigbee
25	MCA	Systematic Agriculture Marketing and Business management for Tamilnadu Government
26	MCA	An Application development for medical professional to optimize the patient moving system
27	MCA	Detection of Water leakage based on GSM using Wireless Sensor Network
28	MCA	Complaint Tracking System for Educational Institutes (Staff/Vendor/Public)
29	MBA	A Study On Effectiveness Of Training Analysis With Special Reference To Infosec Investments Pvt.Ltd, Chennai.
30	MBA	A Study On Consumers Buying Behavior With Special Reference To EssaeTeraoka Limited, Vijayawada.
32	MBA	A Study On Employer Branding – Key To Employee Engagement With Reference To Bright AutoplastPvt Ltd.
33	MBA	A Study On Hr Implications In Amman Packaging At Chennai.
34	MBA	A Study On Brand Loyalty With Special Reference To Sony Television In Sree Lakshmi Ganapathy Electronics.

IX. Names of Existing Student Chapters:

- ❖ ISTE – Indian Society for Technical Education
- ❖ IE(I) –Institute of Engineers (India)
- ❖ IETE- Institution of Electronics and Telecommunication Engineers
- ❖ CSI – Computer Society of India
- ❖ ICI - Indian Concrete Institute
- ❖ SAE -Society of Automobile Engineers
- ❖ IEEE - Institute of Electrical and Electronics Engineers I
- ❖ ICHE - Indian Institute Of Chemical Engineer
- ❖ MMA – Madras Management Association



Dr.G.B.Senthil Kumar, Correspondent Called on Dr.M.Rajaram,
New Vice Chancellor of Anna University on 5-6-13 and Felicitated him

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For clarifications and queries contact the Principal or email
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