

**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
PACHAL, NAMAKKAL**

FACULTY DEVELOPMENT DEPARTMENT

ANNUAL REPORT

**ACADEMIC YEAR
2016-2017**



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
PACHAL, NAMAKKAL

22.06.2017

Annual Report of the Faculty Development Department for the Academic Year 2016-2017


- ✓ Faculty Development Department has organized 83 Programs during the academic year 2016-2017
- ✓ 54 Quality Enhancement in Engineering Education (QEEE) courses was organized for faculty members and students which was conducted by IIT Madras.
- ✓ Paavai Engineering College recognized the category as Partner College based on the Performance during QEEE Phase from Phase V to Phase VII
- ✓ Totally 345 faculty members of our college have taken part in Professional Development Programmes, Faculty Development programmes, Orientation cum Induction programmes, Short term training programmes and Faculty Rejuvenation Programmes.

K. Suba
FDD

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL Post, NAMAKKAL Dist

**Summary of Programmes Conducted during Academic Year 2016-2017 under
Faculty Development Department**

S.No	Dates (from-to) (DD-MM-YYYY)	Title of the Professional Development/ Administrative Training Programs organised for Teaching staff (Professional Development/ Administrative Training Programs)	No. of participants
1	30-01-17 to 04-02-17	STTP on CMOS, Mixed Signal and Radio frequency VLSI Design	20
2	08-05-2017 to 09-05-2017	Faculty Development Programme on "Power Electronics"	14
3	28-11-2016 to 29-11-2016	Faculty Development Programme on Design of Electrical Machines	17
4	09-12-2016 to 10-12-2016	FDP on "Java Programming"	58
5	23-05-2017 to 26-05-2017	FDP on Python Programming	56
6	31-10-2016 to 02-11-2016	Development of FEA novel pedagogy models and faculty development programme on FEA part-I	15
7	27-01-2017 to 28-01-2017	Development of Novel Pedagogy Models and Faculty Development Programme on FEA – Part-II	15
8	21-11-2016 to 22-11-2016	A two-day FDP on Engineering Mechanics	31
9	24-11-2016 to 25-11-2016	A two-day FDP on Kinematics of Machinery	10
10	11-05-2017 to 12-05-2017	Dynamics of Machinery	22
11	20-05-2017	Faculty Development Programme Mechtronics lab	14
12	15-05-2017 to	Engineering Thermodynamics	22


PRINCIPAL
PAAVAI ENGINEERING COLLEGE
 NH.7 PACHAL Post, NAMAKKAL Dist.

	16-05-2017		
13	09-05-2017 to 10-05-2017	A Two-Day Faculty Development Program on CNC Technology	12
14	10-11-2016 to 11-11-2016	FDP on Structural Analysis	28
15	17-05-2017 to 18-05-2017	FDP on Hands on Training on Ansys	27
16	12-08-2016	Turbo-machinery blade vibrations - Meeting the challenge	50
17	29-01-2017 to 31-02-2017	FDP on Drone agriculture for better farming	8
18	05-09-2016	FDP on Spirituality at work place	22
19	15-09-2016	Faculty Development Program - Survey of Wireless Sensor Network	24
20	20-02-2017 to 21-02-2017	Integrating Technology in ESL Classroom (ITESL)	22
21	30-12-2016 to 31-12-2016	Workshop on Technical English	15
22	21-12-2016	Material Characterization Techniques	16
23	04-01-2017	Material characterization techniques and Electron microscope	16
24	14-07-2016 to 15-07-2016	Two days Workshop on enhancing the efficacy of the Heads of Departments	17
25	15-11-2016	Research Developmental Activities	36
26	09-01-2017 to 12-01-2017	Faculty rejuvenation	367
27	09-11-2016	Pre - Faculty Revalidation Programme	132
28	16-11-2016 to 23-11-2016	Faculty Revalidation Programme	180




PRINCIPAL
PAAVAI ENGINEERING COLLEGE
 NH.7 PACHAL Post, NAMAKKAL Dist

29	21-06-2016 to 25-06-2016	Faculty Orientation Programme	105
30	04-08-2016 to 30-11-2016	Vernacular Spoken Tutorial	3
31	04-08-2016 to 30-11-2016	Memory Mapping and Peripheral interfacing -Microprocessors and Microcontrollers	2
32	04-08-2016 to 30-11-2016	Introduction to Conduction Heat Transfer - Heat Transfer	1
33	04-08-2016 to 30-11-2016	Introduction to Convection Heat Transfer - Heat Transfer	1
34	04-08-2016 to 30-11-2016	Fundamental Concepts in Fluid Mechanics - Fluid Mechanics	2
35	04-08-2016 to 30-11-2016	Fundamental concepts in Fluid Kinematics - Fluid Dynamics	1
36	04-08-2016 to 30-11-2016	Introduction to Compilers - Compilers Design	2
37	04-08-2016 to 30-11-2016	Inputs and output Streams - Interface, Packages Collection and Vector files - OOPS	3
38	04-08-2016 to 30-11-2016	Fourier Series - Mathematical Methods	1
39	04-08-2016 to 30-11-2016	Combinational and Sequential Circuit Design - Digital IC Design	2
40	04-08-2016 to 30-11-2016	Shear Strength of Soils - Geotechnical Engineering	1
41	04-08-2016 to 30-11-2016	Moving Loads and Influence Line - analysis of Structures	1
42	04-08-2016 to 30-11-2016	Classification of signals and system - Introduction to Signal and System	3



PRINCIPAL
PAVAI ENGINEERING COLLEGE
 NH.7 PACHAL Post, NAMAKKAL Dist

43	04-08-2016 to 30-11-2016	Fourier Transform - Introduction to Signal and System	1
44	04-08-2016 to 30-11-2016	Vibration - Theory of Vibration / Dynamics of Machines / Structural Dynamics	2
45	04-08-2016 to 30-11-2016	Gear Kinematics and Dynamics of machinery / Theory of Machines	1
46	04-08-2016 to 30-11-2016	Bending and Stresses in Beam - Strength of Materials / Mechanics of Solids / Solid Mechanics	2
47	04-08-2016 to 30-11-2016	Linear Data Structures and Application - Data Structures and Algorithm	2
48	04-08-2016 to 30-11-2016	Non - Linear Data Structures and Application - Data Structures and Algorithm	2
49	04-08-2016 to 30-11-2016	Cloud Technology Overview - Cloud Computing	3
50	04-08-2016 to 30-11-2016	Virtulization Technology - Cloud Computing	3
51	04-08-2016 to 30-11-2016	Maxwell Equation - Electromagnetic Waves	2
52	04-08-2016 to 30-11-2016	Application and Concept of thermodynamics - thermodynamics	2
53	04-08-2016 to 30-11-2016	Application , Examples and Problem Solving approach of Thermodynamics - Thermodynamics	1
54	04-08-2016 to 30-11-2016	Laws of Thermodynamics - Thermodynamics	1
55	04-08-2016 to 30-11-2016	Properties of Pure Substance - Thermodynamics	1
56	04-08-2016 to 30-11-2016	Predicate Logic/First order logic(FOL) - Artificial Intelligence	1
57	04-08-2016 to	Laser Physics - Engineering Physics	1


PRINCIPAL
PAVAI ENGINEERING COLLEGE
 NH.7 PACHAL Post, NAMAKKAL Dist

	30-11-2016		
58	04-08-2016 to 30-11-2016	8085 and 8086 Microprocessor; Architecture Assembly Language programming and System Design – Computer Organization and Architecture	3
59	04-08-2016 to 30-11-2016	Priority Queues and Trees - Data Structure	2
60	04-08-2016 to 30-11-2016	Test On Concrete - Concrete Technology	1
61	04-08-2016 to 30-11-2016	Network Layer - Computer Networks	2
62	04-08-2016 to 30-11-2016	Modern Wireless Communication Systems - Wireless Communication	1
63	04-08-2016 to 30-11-2016	Shear Force and Bending Moment Diagram - Strength of materials	1
64	02-01-2017 to 30-04-2017	Solar DC	1
65	02-01-2017 to 30-04-2017	Differential Amplifiers - Analog Electronic Circuits	1
66	02-01-2017 to 30-04-2017	Natural Convection, Boiling and Condensation - Convection Heat Transfer	1
67	02-01-2017 to 30-04-2017	Highway Geometric Design - Transportation Engineering	1
68	02-01-2017 to 30-04-2017	Software Process and Management - Software Engineering	3
69	02-01-2017 to 30-04-2017	Pointers - Programming in C and Data Structures	1
70	02-01-2017 to 30-04-2017	Fundamentals of Laplace Transforms - Engineering Mathematics	1



PRINCIPAL

PAAVAI ENGINEERING COLLEGE
NH.7 PACHAL Post, NAMAKKAL Dist.

71	02-01-2017 to 30-04-2017	Gradient Divergent and curl - Engineering Physics	3
72	02-01-2017 to 30-04-2017	Gears and Gear Trains - Kinematics of Machines	1
73	02-01-2017 to 30-04-2017	Digital System Design - Digital Electronics	1
74	02-01-2017 to 30-04-2017	Public Key Cryptography - Information security and Cryptography	3
75	02-01-2017 to 30-04-2017	Open Channel flow - Hydraulics and Hydraulic Machinery	2
76	02-01-2017 to 30-04-2017	Design of Reinforced Concrete Beams - Design of Concrete Structures	1
77	02-01-2017 to 30-04-2017	Inverter - Power Electronics	1
78	02-01-2017 to 30-04-2017	Air Pollution Control Engineering - Environmental Engineering	1
79	02-01-2017 to 30-04-2017	Durability of Concrete - Concrete Technology	1
80	02-01-2017 to 30-04-2017	Frequency Domain Representation of Continuous Time Signals - Signal and System	1
81	02-01-2017 to 30-04-2017	Electrochemistry and its Application - Engineering Chemistry	3
82	02-01-2017 to 30-04-2017	Routing Algorithm - Computer Network	3
83	02-01-2017 to 30-04-2017	Basics Machine Tools and Metal Cutting Principles - Manufacturing Process	1

K. Suba
FDD


PRINCIPAL

PRINCIPAL
PAAVAI ENGINEERING COLLEGE
NH-7 PACHAL Post, NAMAKKAL Dist