

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

**FACULTY DEVELOPMENT DEPARTMENT**

**ANNUAL REPORT**

**ACADEMIC YEAR  
2016-2017**



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

<b>S.No</b>	<b>Dates (from-to) (DD-MM-YYYY)</b>	<b>Title of the Professional Development/ Administrative Training Programs organised for Teaching staff (Professional Development/ Administrative Training Programs)</b>	<b>No. of participants</b>
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

  
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	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

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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



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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

  
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	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



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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

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