

DEPARTMENT OF AUTOMOBILE ENGINEERING

08.01.2018

Sub: Report on Anna University Approved Seven Day FDTP on Two and Three Wheelers

The Department of Automobile Engineering organized a Seven Day Faculty Development Programme on **AT6603 TWO AND THREE WHEELERS** with a partial support of Industry during 27.12.2017-05.12.2017 with the approval and sponsorship of Rs.22,500/- from the management of SVCE. A sponsorship of **Rs. 10,000/-** was received from M/s Simpson & Co. Ltd, Chennai for the above program.

The Programme was inaugurated by **Dr. K.S. Badrinathan**, Dean-Educational Development, Sri Venkateswara College of Engineering. He delivered inaugural address about the needs to attend the FDTP by the faculty members in order to deliver the Lecture to the students with confidence.

Twenty Lecture sessions and Six Laboratory session covering all the major topics prescribed in the syllabus, were conducted (List enclosed). These technical lectures and laboratory classes were handled by the senior faculty members from Sri Venkateswara College of Engineering and Outside Colleges.

This programme was organized in view of upgrading the knowledge of teachers working in affiliated Institutions of Anna University, Chennai in the field of Two and Three Wheelers. Twelve external faculty members and nine internal faculty members participated in FDTP.

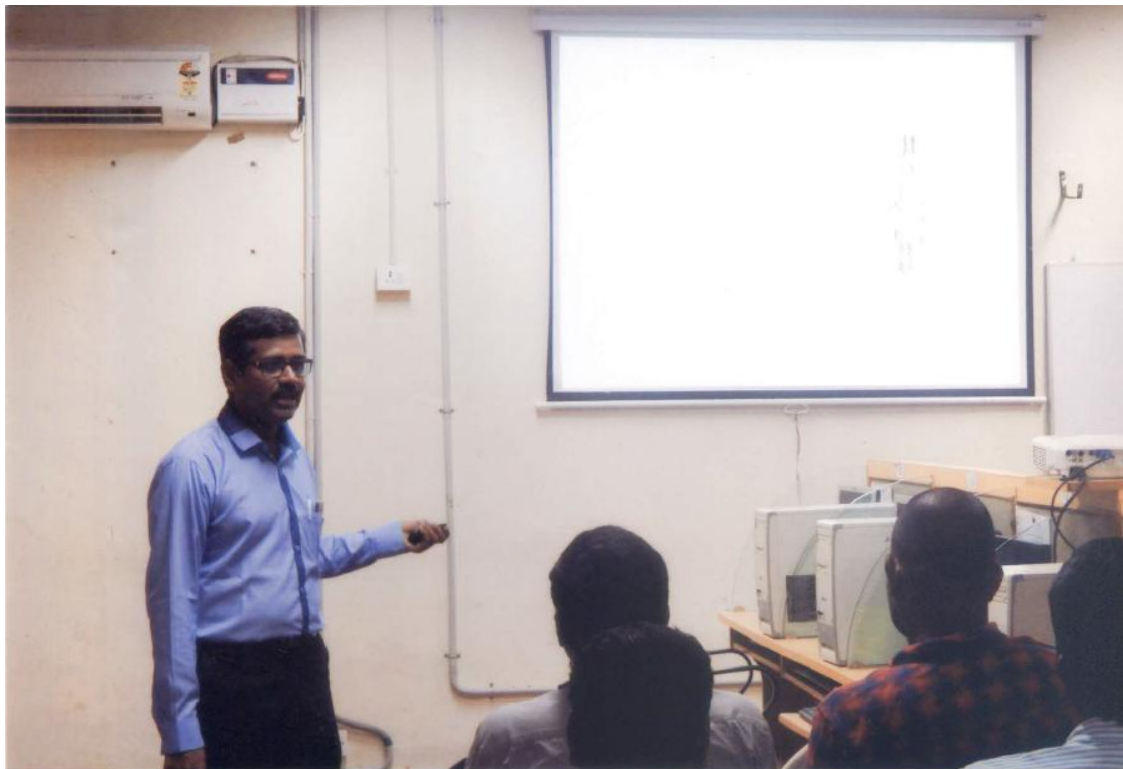
The participants expressed their full satisfaction through Feedback. The lecture sessions and the practical sessions were very much appreciated by the participants. The programme was very well received by the participants.

The programme ended with valedictory function presided by **Dr. J. Venkatesan**, Head of the Department, Automobile Engineering, Sri Venkateswara College of Engineering. He delivered valedictory address on the importance of FDTP.

We express our heartfelt thanks to the Director-CFD, Anna University for giving an opportunity and the management of SVCE for the support to conduct the programme smoothly.



Dr. K. S. Badrinathan, Dean - Educational Development, inaugurated the FDTP



Mr. C. Kannan, Asst. Prof / VIT Univeristy, Vellore, delivering his lecture



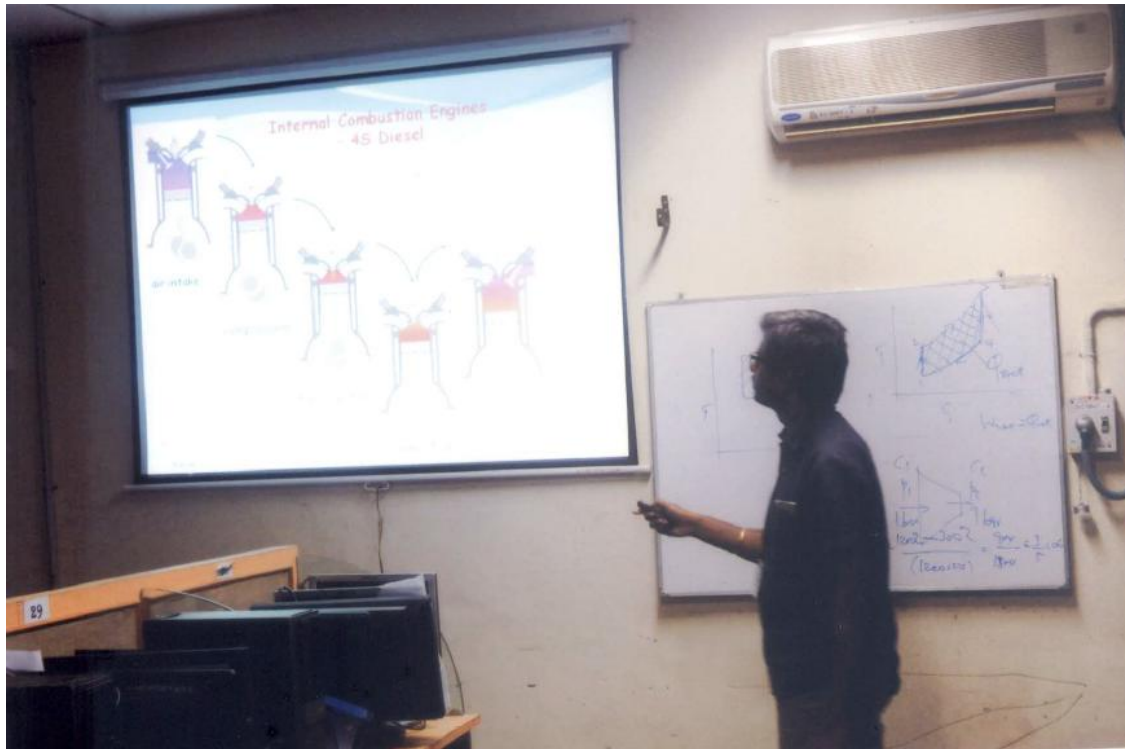
Mr. T. Vijaya Kumar, Asst. Prof / VIT Univeristy, Vellore, delivering his lecture



Mr. Nithyanandham, Director, S.V. Automobile service Center, during his demonstration



Dr. J. Venkatesan, Prof. & HoD / AUT delivering his lecture



Dr. V. Ganesh, Assc. Prof. / AUT delivering his lecture



Dr. V. Ganesh, Assc. Prof. / AUT during his demonstration session



Dr. J. Venkatesan, Prof. & HoD / AUT delivering his Valedictory address



One of the participant sharing his feedback about the programme



Dr. J. Venkatesan, Prof. & HoD/AUT distributed the FDTP study materials to the participants



Dr. V. Ganesh, Assc. Prof / AUT delivering the Vote of Thanks during the Valedictory Function

The details of amount sanctioned, spent and returned are given below:

Sl. No.	Details	Amount Rs.
1	Sponsorship from M/s Simpson & Co. Ltd, Chennai	10,000.00
2	Sponsorship from Management of SVCE	22,500.00
3	Net amount spent for FDTP	22,559.00
4	Balance amount returned to SVCE	9,941.00

Coordniator details:

Sl No	Coordinator Name	Designation	College Name
1	Dr. Ganesh. V	Associate Professor	Sri Venkateswara college of Engineering
2	Mr. A. K. Boobalaseshthilraj,	Assistant Professor	Sri Venkateswara college of Engineering

List of Participants

S. No	Participant Name	Designation	College Name
1	Mr. B. Surendhar,	Assistant Professor	Rajiv Gandhi College of Engineering
2	Mr. M. Naveen Pandi,	Assistant Professor	Rajiv Gandhi College of Engineering
3	Mr. S. Manikandan,	Assistant Professor	Sree Sastha Institute of Engineering & Technology
4	Mr. E. Magesh,	Assistant Professor	GRT Insitute of Engineering and Technology
5	Mr. G. Vijay Bhaskar,	Assistant Professor	GRT Insitute of Engineering and Technology
6	Mr. V. Pugalendhi,	Assistant Professor	Tagore Engineering College
7	Mr. P. Shriram Kumaar Pandian,	Assistant Professor	Tagore Engineering College
8	Mr. S. Chermadurai,	Assistant Professor	Velammal Engineering College
9	Mr. S. Rajasekaren,	Assistant Professor	P.B. College of Engineering
10	Mr. R. Margandan,	Assistant Professor	P.B. College of Engineering
11	Mr. M. Vinoth Kumar,	Assistant Professor	Jepiaar Maamalla Engineering College
12	Mr. K. Kalidass,	Assistant Professor	SSM Insitutue of Engineering and Technology
13	Mr. K. E. Kumaraguru,	Assistant Professor	Sri Venkateswara college of Engineering
14	Mr. G. Ravi,	Assistant Professor	Sri Venkateswara college of Engineering
15	Mr. E. Ravindar Rao,	Assistant Professor	Sri Venkateswara college of Engineering
16	Mr. R. Sakthivel,	Assistant Professor	Sri Venkateswara college of Engineering
17	Dr. S. Premnath,	Associate Professor	Sri Venkateswara college of Engineering

18	Mr. A. Balasubramanian,	Assistant Professor	Sri Venkateswara college of Engineering
19	Mr. K. Paul Durai,	Assistant Professor	Sri Venkateswara college of Engineering
20	Mr. J. Dhanabal,	Assistant Professor	Sri Venkateswara college of Engineering
21	Mr. Ramanjaneyulu Kolla,	Assistant Professor	Sri Venkateswara college of Engineering

Anna University approved Seven Day FDTP on AT6603 Two and Three Wheelers

Duration: November 27th – December 05th 2017

List of Faculty Members and Topics Covered

Sl. No.	Name	Qualification	Designation	Topics Covered
1.	Dr. J. Venkatesan	M.E., Ph.D	Prof. / SVCE	<ul style="list-style-type: none"> • Four Stroke Petrol Engine
2.	Dr. V. Ganesh	M.E., Ph.D	Assc. Prof. / SVCE	<ul style="list-style-type: none"> • Two Stroke Petrol Engine • Dismantling and Assembling of Two Wheeler Engine • Fuel supply systems and its types • Demonstration and Practical Session on various Fuel supply systems • Braking system, Brake actuation mechanism • Demonstration and Practical Session on Clutch and Gear Box • Steering geometry on Two and Three wheelers • Demonstration and Practical Session on Brakes and Wheels
3.	Dr. S. Premnath	M.E., Ph.D	Assc. Prof. / SVCE	<ul style="list-style-type: none"> • Emission formation, control and EURO norms for Two Wheelers in India
4.	Mr. A. Balasubramanian	M.E., (Ph.D)	Asst. Prof. / SVCE	<ul style="list-style-type: none"> • Valve timing and Port timing
5.	Mr. J. Dhanabal	M.E., (Ph.D)	Asst. Prof. / SVCE	<ul style="list-style-type: none"> • Wheels and Tyres. Construction and its types
6.	Mr. K. Paul Durai	M.E., (Ph.D)	Asst. Prof. / SVCE	<ul style="list-style-type: none"> • Front and rear suspensions
7.	Mr. G. Ravi	M.E., (Ph.D)	Asst. Prof. / SVCE	<ul style="list-style-type: none"> • Different types of Chassis for Two wheelers and Three wheelers

8.	Mr. Ramanjaneyulu Kolla.	M.E., (Ph.D)	Asst. Prof. / SVCE	<ul style="list-style-type: none"> • Gear box and its types • Construction and working of Drum brakes system & disc brakes system
9.	Mr. E. Ravindar Rao	M.E.	Asst. Prof. / SVCE	<ul style="list-style-type: none"> • Lubrication systems and its types
10.	Mr. R. Sakthivel	M.E.	Asst. Prof. / SVCE	<ul style="list-style-type: none"> • Clutches and its types
11.	Mr. K. E. Kumaraguru	M.E.	Asst. Prof. / SVCE	<ul style="list-style-type: none"> • Case studies on Various bikes and mopeds • Servicing and maintenance of two and three wheelers
12.	Mr. A. K. Boobalasantilraj	M.E.	Asst. Prof. / SVCE	<ul style="list-style-type: none"> • Panel meters and Controls on handle bar • Recent developments in Two wheelers and Three wheelers • Demonstration and Practical Session on Automotive Electrical Systems.

S. No	Name of the Faculty	Qualification	Designation	Topics Covered
1	Mr. T. Vijayakumar	M.E., (Ph.D)	Asst. Prof. VIT University, Vellore	<ul style="list-style-type: none"> • Starting system and its types
2	Mr. C. Kannan	M.E., (Ph.D.)	Asst. Prof. VIT University, Vellore	<ul style="list-style-type: none"> • Ignition system and its types
3	Mr. Nithyanandham	M.E	Director, S.V. Automobile service Center.	<ul style="list-style-type: none"> • Demonstration and Practical Session on various Ignition systems

Dr. V. Ganesh
FDTP Coordinator

A. K. Boobalasantilraj
FDTP Coordinator

REGISTRATION FORM

Faculty Development Training
Programme

on

**AT6603 TWO AND THREE
WHEELERS**

27th November - 05th December 2017

1. Name :
2. Age and DoB :
3. Designation :
4. Name of the Institution :
Institution Affiliated to Anna University: Yes / No
5. Address for Communication :
6. Official Address :
E-mail :
Phone :
7. Subjects Handled in last Two years :
8. Professional Experience in years
Industry: Teaching :

Signature of the Applicant

DECLARATION

The information furnished by me is true to the best of my knowledge. I agree to abide by the rules and regulation governing the FDTP. If selected, I shall attend the program for the entire duration.

Date :

Place :

Signature of the Applicant

SPONSORSHIP

Dr./Mr./Ms.....,

an employee of our institution is hereby allowed to attend the FDTP on "AT6603 Two and Three Wheelers", approved by Anna University, Chennai. He/She will be permitted to attend the program for the entire duration, if selected.

Signature of the HoD/Principal

Date :

Place :

Registration form can be sent by post/email.

Email/Mobile : vinaganesh@svce.ac.in / 9841214374

boobal@svce.ac.in / 9865828126

SEVEN DAY FDTP

ON

**AT6603 TWO AND THREE
WHEELERS**

27th November - 05th December 2017

Coordinators

**Dr. V. Ganesh
A.K. Boobalashentilraj**



Approved by

**Anna University
Chennai**

Organized by



**Department of Automobile Engineering
SRI VENKATESWARA
COLLEGE OF ENGINEERING**

(Autonomous - Affiliated to Anna University)

Pennalur, Sriperumbudur Tk - 602 117

Tamil Nadu, India

Phone : 044-27152000, Extn : 450

ABOUT THE COLLEGE

Sri Venkateswara College of Engineering (SVCE), a premier self-financing engineering college (autonomous institution) started in the year 1985 and affiliated to Anna University, Chennai. The college is managed by Sri Venkateswara Educational and Health Trust. The college conducts 10 UG Programmes and 10 PG Programmes in Engineering/Technology and the courses are approved by AICTE. The college is accredited by National Assessment and Accreditation Council (NAAC) and it is situated in a calm environment about 37 km from Chennai on Chennai-Bangalore National Highway (NH4) at Pennalur, in Sriperumbudur Taluk, Kancheepuram District.

ABOUT THE DEPARTMENT

The department of Automobile Engineering was established in the year 1999 with a mission to educate and impart technical knowledge to the students to become globally competent in the field of Automobile Engineering. It has well-qualified and motivated faculty members with relevant experience in their area of specialization. The department is equipped with most modern and state-of-art laboratories like Engine testing, Automotive components, Automotive Electrical and Electronics, Vehicle Maintenance and Re-conditioning, Two and Three Wheelers, Automotive Fuels and Lubricants, CAD/CAM, etc. The department is also equipped with 2/3/4 Wheeler Chassis Dynamometer to simulate the vehicle on-road conditions. It provides consultancy services to research scholars and automotive industries in the field of engine performance and emission testing using alternate fuels with the help of advanced instruments like AVL Pressure pickup, Angle encoder and Data acquisition system. The department is accredited by NBA since 2006.

ABOUT THE FDP

The FDP is approved by Anna University, Chennai. All topics of the syllabus of forthcoming sixth semester subject AT6603 Two and Three Wheelers will be covered.

TOPICS TO BE COVERED

- ✓ Fundamentals on Power Unit.
- ✓ Study of Electronic Fuel Injection system using scan tool (Ultrascan P1) in Honda CBR 250 Motorcycle.
- ✓ Study of Electronic Ignition Pattern (primary & secondary) using Scan tool (Ultrascan P1) in Honda CBR250, Bajaj Pulsar 150 Dts-i and Suzuki Samurai Motorcycles.
- ✓ Dismantling, study and assembling of various systems like power train, clutch, gearbox, air-fuel supply system of Two Wheelers in working condition.
- ✓ Braking system - types, construction and working.
- ✓ Recent developments on Two and Three Wheelers.
- ✓ Hands-on training on various subsystems of Two Wheelers.

REGISTRATION

The course is offered by the Anna University, Chennai with **free of cost** to the faculty members of Anna University, Chennai and its affiliated colleges.

The registration form can be downloaded from college website, www.svce.ac.in. The registration is **restricted to 25 participants** with first-come, first-serve basis. No TA/DA will be provided. The participants can use the college bus for to and fro journey.

ORGANIZING COMMITTEE

CHIEF PATRON: Vice-Chancellor
Anna University
Chennai

PATRON: Dr. S. Ganesan
Registrar
Anna University
Chennai

CHAIR: Dr. K. Shanthi
Director, CFD

Dr. D. Sridharan
Addl. Director, CFD

CO CHAIR: Dr. S. Ganesh Vaidyanathan
Principal, SVCE
Dr. J. Venkatesan
HoD - Automobile Engineering

COORDINATORS:
Dr. V. Ganesh
Associate Professor
Department of Automobile
Engineering

Mr. A. K. Boobalasantilraj,
Assistant Professor
Department of Automobile
Engineering

VENUE: Department of Automobile
Engineering
Sri Venkateswara College of
Engineering

IMPORTANT DATES

Submission of Application : 21.11.2017
Intimation of Selection : 22.11.2017
Confirmation by Participants : 23.11.2017

SCHEDULE FOR THE FACULTY DEVELOPMENT TRAINING PROGRAMME

Regulation: R 2013

Branch: Automobile Engineering

Subject Code / Title: AT6604 / Vehicle Dynamics

Year / Semester: III Year / 6th Semester

Morning Tea Break: 10-00 AM -10-15 AM

Lunch: 11.45 AM 12.30 PM

Afternoon Tea Break: 02.00 PM-02.15 PM

Sl. No	Date / Day	8.15 AM to 9.45 AM	10.00 AM to 11.30 AM	12.00 PM to 01.30 PM	1.45 PM to 03.15 PM
1	27.11.2017 Monday	Registration & Inauguration	Two Stroke Petrol Engine Dr. V. Ganesh / SVCE	Four Stroke Petrol Engine Dr. J. Venkatesan	Dismantling and Assembling of Two Wheeler Engine Dr. V. Ganesh / SVCE
2	28.11.2017 Tuesday	Valve timing and Port timing Mr. A. Balasubramanian / SVCE	Fuel supply systems and its types Dr. V. Ganesh / SVCE	Lubrication systems and its types Mr. E. RavindarRao / SVCE	Dismantling and Assembling of Two Wheeler Engine Dr. V. Ganesh / SVCE
3	29.11.2017 Wednesday	Ignition system and its types Mr. C. Kannan / VIT	Starting system and its types Mr. T. Vijayakumar / VIT	Different types of Chassis for Two wheelers and Three wheelers Mr. G. Ravi / SVCE	Demonstration and Practical Session on various Fuel supply systems Dr. V. Ganesh / SVCE
4	30.11.2017 Thursday	Clutches and its types Mr. R. Sakthivel / SVCE	Gear box and its types Mr. RamanjaneyuluKolla / SVCE	Front and rear suspensions Mr. K. Paul Durai / SVCE	Demonstration and Practical Session on various Ignition systems Mr. G. Vincent Raj / 'V' Care Bikes
5	01.12.2017 Friday	Panel meters and Controls on handle bar Mr. A. K. Boobalaseenthilraj / SVCE	Braking system, Brake actuation mechanism Dr. V. Ganesh / SVCE	Construction and working of Drum brakes system & disc brakes system Mr. RamanjaneyuluKolla / SVCE	Demonstration and Practical Session on Clutch and Gear Box Dr. V. Ganesh / SVCE
6	04.12.2017 Monday	Wheels and Tyres. Construction and its types Mr. J. Dhanabal / SVCE	Steering geometry on Two and Three wheelers Dr. V. Ganesh / SVCE	Case studies on Various bikes and mopeds Mr. K. E. Kumaraguru / SVCE	Demonstration and Practical Session on Brakes and Wheels Dr. V. Ganesh / SVCE
7	05.12.2017 Tuesday	Emission formation, control and EURO norms for Two Wheelers in India. Dr. S. Premnath / SVCE	Servicing and maintenance of two and three wheelers Mr. K. E. Kumaraguru / SVCE	Recent developments in Two wheelers and Three wheelers Mr. A. K. Boobalaseenthilraj / SVCE	Valedictory Function

V. Ganesh - V. GANESH.
A. K. Boobalaseenthilraj - A. K. BOOBALASENTHILRAJ
Signature of the Co-ordinators


[Signature]
Signature of the HOD
Head of the Department
Department of Automobile Engineering
Sri Venkateswara College of Engineering
Penna:ur, Sriperumbudur Taluk-602 117
Tamil Nadu, India

SRI VENKATESWARA COLLEGE OF ENGINEERING
Anna University sponsored FDTP programme on AT6603 Two and Three Wheelers
FDTP on AT6603 TWO AND THREE WHEELERS 27.11.2017 to 05.12.2017
Organized by Department of Automobile Engineering

ATTENDANCE																
Sl. No	Name of the Participants and designation	Name of the college	Signature													
			Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7	
			27-11-2017		28-11-2017		29-11-2017		30-11-2017		01-12-2017		04-12-2017		05-12-2017	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
1	Mr. B. Surendhar, Assistant Professor	Rajiv Gandhi College of Engineering, Sriperumbudur,														
2	Mr. M. Naveen Pandi, Assistant Professor	Rajiv Gandhi College of Engineering, Sriperumbudur,														
3	Mr. S. Manikandan, Assistant Professor	Sree Sastha Institute of Engineering & Technology														
4	Mr. E. Magesh, Assistant Professor	GRT Insitute of Engineering and Technology														
5	Mr. G. Vijay. Bhaskar, Assistant Professor	GRT Insitute of Engineering and Technology														
6	Mr. V. Pugalendhi, Assistant Professor	Tagore Engineering College														
7	Mr. P. Shriram Kumaar Pandian, Assistant Professor	Tagore Engineering College														

L. No	Name of the Participants and designation	Name of the college	Signature													
			Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7	
			27-11-2017		28-11-2017		29-11-2017		30-11-2017		01-12-2017		04-12-2017		05-12-2017	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
8	Mr. S. Chermadurai, Assistant Professor	Velammal Engineering College														
9	Mr. S. Rajasekaran, Assistant Professor	P.B. College of Engineering														
10	Mr. R. Margandan, Assistant Professor	P.B. College of Engineering														
11	Mr. M. Vinoth Kumar, Assistant Professor	Jepiaar Maamallan Engineering College														
12	Mr. K. Kalidass, Assistant Professor	SSM Insitute of Engineering and Technology														
13	Mr. K. E. Kumaraguru, Assistant Professor	Sri Venkateswara college of Engineering														
14	Mr. G. Ravi, Assistant Professor	Sri Venkateswara college of Engineering														
15	Mr. E. Ravindar Rao, Assistant Professor	Sri Venkateswara college of Engineering														
16	Mr. R. Sakthivel, Assistant Professor	Sri Venkateswara college of Engineering														

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			Day 1		Day 2		Day 3		Day 4		Day 5		Day 6		Day 7	
			27-11-2017		28-11-2017		29-11-2017		30-11-2017		01-12-2017		04-12-2017		05-12-2017	
			FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN
17	Dr. S. Premnath, Associate Professor	Sri Venkateswara college of Engineering														
18	Mr. A. Balasubramanian, Assistant Professor	Sri Venkateswara college of Engineering														
19	Mr. K. Paul Durai, Assistant Professor	Sri Venkateswara college of Engineering														
20	Mr. J. Dhanabal, Assistant Professor	Sri Venkateswara college of Engineering														
21	Mr. Ramanjaneyulu Kolla, Assistant Professor	Sri Venkateswara college of Engineering														


Head of the Department
 Department of Automobile Engineering
 Sri Venkateswara College of Engineering
 Pennalur, Sriperumbudur Taluk-602 117
 Tamil Nadu, India