**Department of AUTOMOBILE ENGINEERING**

**Research Activity Report (July 2017- Dec 2017)**

**1. Research activities of the faculty members:**

Number of faculty in the Department : 12

Number of faculty with Ph D qualification : 03

Number of faculty pursuing Ph D : 05

A). Papers published by the faculty members in National and International Journals:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Name of Faculty** | **Title of the paper** | **Name of the Journal** | **Date** |
| 1 | **Dr.J. Venkatesan** | N. Rajamurugu and J. Venkatesan (Oct 2017), "A Review on Solar Updraft Towers", International Journal of Scientific Research Organization [ISSN: 2456-6942], Vol. 1, Issue 7, pp. 10-13. | International Journal of Scientific Research Organization | 3rd October 2017 |

B). Papers presented by the faculty members in National and International conferences/ symposiums/ workshops: Nil

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Name of Faculty** | **Title of the paper** | **Name of the Conference/ symposium/ workshop** | **Date** |
|  |  |  |  |  |
|  |  |  |  |

C). National and International Conferences/ symposiums/ workshops attended by the Faculty members:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Name of Faculty** | **Name of the Conference/ symposium/ workshop** | **Place** | **Date** |
| 1 | Dr.S.Premnath,Mr.A.balasubramanian,Mr.J.Dhanabal,Mr.K.Pauldurai, Mr.G.Ravi, Mr.E.Ravindar Rao, Mr.K.E.Kumaraguru,Mr.K.Ramanjaneyulu Kolla and Mr.R.Sakthivel | Have attended a Faculty Development and Training Program on **AT6603-Two and three Wheeler** during 27th to 05th November 2017 at Automobile Engineering Department, Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur, Chennai. | Sri Venkateswara College of Engineering | 27th to 05th November 2017 |
| 2 | Dr. V. GaneshDr. S. Premnath, Mr. A. Balasubramanian,Mr. J. Dhanabal,Mr. K. Pauldurai, Mr. G. Ravi Mr. E. Ravindar Rao, Mr. K. E. Kumaraguru,Mr. K. Ramanjaneyulu Kolla Mr. R. SakthivelandMr.A.K.Boobala SenthilRaj | Have attended a Faculty Development Program on AICTE SPONSORED TWO WEEK FACULTY DEVELOPMENT PROGRAMME on “Theory and Performance Evaluation of Automotive Vehicle Subsystems Using Modern Tools and Equipment". | Sri VenkateswaraCollege ofEngineering | November 6th to 21st  |
| 3 | Mr.E.Ravindar RaoAsst. Professor | attended a two days Faculty Development Program on “Engineering Graphics” during 27th to 05th November 2017 at Saveetha Engineering College, Chennai. | Saveetha Engineering College, Chennai. | 27th to 05th November 2017 |

**2) Departmental research activities:**

A). Symposium, Conferences, Workshop and Guest lecturers Conducted:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Name of the Event** | **Place** | **Period** | **Funding Agency** | **National/****International** | **Convener and Faculty****In-charge** |
| 1 | National level SymposiumTRAXION’17 | SVCE | 21.09.17 | **-** | National | Mr.K.E.KumaraguruAsst. Professor |
| 2 | FDTP onAT6603-Two and three Wheelers | SVCE | 27th to 05th November 2017 | SVCE- | National | 1. Dr.V.Ganesh

 Assoc. Prof/AE1. Mr.A.K.Boobala Senthi raj

AP/AE |
| 3 | AICTE SPONSORED TWO WEEK FACULTY DEVELOPMENT PROGRAMME on “Theory and Performance Evaluation of Automotive Vehicle Subsystems Using Modern Tools and Equipment". | SVCE | 6th to 21st November  | AICTE | National | 1.Dr.J.Venkatesan Prof & Head1. Dr.S.Premnath

Asso.Prof1. Mr.J.Dhanabal

Asst.Prof |
| 4 | Guest Lectures | Mr. Jayakrishnan Head of the department p / car me, Hyundai Motor motor India ltd. Sriperumbudur | SVCE | 21th July 2017 | SVCE | National | Mr.K.E.KumaraGuruAP/AE |
| 5 | Mr. T. SASIKUMAR, Managing partner, SRV Engineering, Chennai | SVCE | 23rd September 2017 | SVCE | National |
| 6 | Dr. K. Bhaskar Professor & HeadDept. of Automobile Engineering, ering, REC Chennai | SVCE | 23rd September 2017 | SVCE | National |

B) Students Awards:

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Name of the Student** | **Award** |
| 1 | SUPRA SAEINDIA 2017 (Team of Automobile and Mechanical Students) | * **37th rank** among **160 teams**
 |
| 2 | BAJA SAEINDIA 2017 | Finished top 50 in the virtual round |
| 3 | The students of B.E. Automobile Engineering (2013-17 Batch) Mr. Sakthish Charan P, Mr. Sai Krishna B, Mr. Chidambaram SP and Mr. Saravanan K  | Student Project Award at Bachelor Level – 2017 by INAE |
| 4 | The students of IV Year B.E. Automobile Engineering Mr. Sai bernard. Y and V. Sudarsan  have  received the Best Auto Solution Award 2018   | TAFE INNOVISTA SEASON III, awarded by TAFE Ltd., |

 c) Ongoing funded projects in the in the Department: NIL

 C). Projects submitted to Funding Agencies by the Department: Nil

D). Research centre status of the department: NA

 **3) Student Research Activities:**

1. A). List of projects carried out by the students in the department as in house and Industrial project **14/07**

 B). Research Publications by students in National and International Journal: NIL

 C).Research Presentations by students in National and International Conferences/ symposiums/ workshops:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Name of Student** | **Title of the paper** | **Name of the Conference/ symposium/ workshop** | **National/****International** | **Venue** | **Date** |
| 1 | Jagan mariappan SV Saahith P Vishnu Raja M | **Control of Unintended Acceleration** |  International Conference on Intelligent Transportation Engineering (ICITE2017). | **International** | Singapore. |  Sep,1-3, 20172017 |

 D) National and International Conferences/ symposiums/ workshops attended by the students:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Name of Student** | **Name of the Event** | **National/****International** | **Venue** | **Date** |
| **1.** |  AjayGovindarajan.G.J, Gnaneshwar.V, Karthik.S, Joshuapeter.R,Vignesh.P, Subanthan.A.J.(II year AE). |  Participated a special lecture of Off Highway and Special types of vehicles during | **National** |  SAEINDIA Southern Section, Guindy. | 19th & 20th August,2017 |
| **2.** |  Venkateswaran.R,  Jayakumar.D,  Dayananth.B, Gokul.P and  Senthilnatha.S(II year AE). |  Participated a special lecture of Off Highway and Special types of vehicles during  | **National** |  SAEINDIA Southern Section, Guindy. | 19th & 20th August,2017 |
| **3.** |  Karthik.S, Kiran.K.K, Manoj kumar.A, Manoj Kumar.R and Vignesh.P (II year AE). |  Secured III place in the event MINI project Demo in TRAXION 2017  | **National** |  Sri Venkateswara College of Engineering. |  23rd September, 2017 |
| **4.** |  Premkumar.S, Vinith.M, Camanth, Balaji.R and Kamesh.K(II year AE). |  Participated in Welding event in the National level Technical Symposium -SAIL SYNERGY17  | **National** |  Sri Venkateswara College of Engineering  |  25th September, 2017 |
| **5.** |  Manoj kumar.S, SaaiPrasanth.K.R, Arivuchelvan.G and Subanthan .A.J(II year AE). |  Participated in the workshop on Automotive Embedded circuits conducted  | **National** | Madras Institute of Technology, Chennai |  26th September, 2017 |
| **6.** |  Senthilnathan.S,  Jaganath Prasad.S and Gokul.P(II year AE). |  Participated in the AUTOTRONIX workshop conducted in the SPART' 17  | **National** | Madras Institute of Technology, Chennai. | SPART' 17 on September 2017. |
| **7.** |  Senthilnathan.S,Jaganath Prasad.S and  Gokul.P(II year AE). |  Participated in the workshop on Automotive Embedded circuits  | **National** | Madras Institute of Technology, Chennai. |  26th September, 2017 |
| **8** |  Vignesh.P, Gokul.S, Raguramam.V, Saai ajay sankar and  Dinesh Krishnana.G(II year AE). |  Participated in the AUTOTRONIX workshop  | **National** |  Madras Institute of Technology, Chennai. |  SPART' 17 on September, 2017 |
| **9** |  Vignesh.P, Gokul.S, Raguramam.V, Saai ajay sankar and  Dinesh Krishnana.G(II year AE). |  Participated in the workshop on Automotive Embedded circuits  | **National** | Madras Institute of Technology, Chennai. |  26th September, 2017  |
| **10** |  Jayakumar.D,  Poovarasan.T and Prem kumar.S(II year AE). |  Participated in Survival Run during the National Level Technical symposium IGNITION 2017  | **National** |  Society of Mechanical Engineers, Sri Venkateswara College of Engineering. |  27th September, 2017  |
| **11** |  Balaji.R, Vignesh.P Praveen.G and Vinith.M(II year AE). |  Participated in the event of Mr. Mechanical during the National Level Techinical symposium IGNITION 2017 | **National** |  Society of Mechanical Engineers, Sri Venkateswara College of Engineering. |  27th September,2017 |

**4) Sponsorship details of faculty and students:**

 **I) Sponsorship for faculty members:**

 A) Faculty sponsored for presentation in National Conferences/ symposiums/ workshops: **NIL**

 B) Faculty sponsored for presentation in International Conferences/ symposiums/ workshops: **NIL**

 C) Faculty sponsored for attending National Conferences/ symposiums/ workshops: **NIL**

**II) Sponsorship for Students:**

 A) Students sponsored for presentation in National Conferences/ symposiums/ workshops: NIL

 B). Students sponsored for presentation in International Conferences/ symposiums/ workshops:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Name of the Student** | **Date** | **Name of the Conference/ symposium/ workshop** | **Venue** | **Sponsorship Amount(Rs.)** |
| 1 | Jagan mariappan SV Saahith P Vishnu Raja M | Sep,1-3, 20172017 | International Conference on Intelligent Transportation Engineering (ICITE2017). | SINGAPORE | 43,200/- |

C). Students sponsored for attending national Conferences/ symposiums/ workshops: Nil

* 1. **Research cell(s) /area(s) of research in the department:**

* Automotive Research Cell provide consultancy services to research scholars and automotive industries
* Automotive Brakes
* Vehicle Dynamics
	1. **Consultancy work in the department:**
* Automotive Research Cell provided research consultancy to research scholars of various universities to complete their research works. An amount of Rs.0.16 lakhs was generated through this consultancy services
	1. **Patent information: NIL**

 **Research objective coordinator HOD/AE**