**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. Ganesh  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  Mr. R. Sakthivel  and  Mr.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 Venkateswara  College of  Engineering | November 6th to 21st |
| 3 | Mr.E.Ravindar Rao  Asst. 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 Symposium  TRAXION’17 | | SVCE | 21.09.17 | **-** | National | Mr.K.E.Kumaraguru  Asst. Professor |
| 2 | FDTP on  AT6603-Two and three Wheelers | | SVCE | 27th to 05th November 2017 | SVCE- | National | 1. Dr.V.Ganesh   Assoc. Prof/AE   1. 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 & Head   1. Dr.S.Premnath   Asso.Prof   1. 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.KumaraGuru  AP/AE |
| 5 | Mr. T. SASIKUMAR,  Managing partner,  SRV Engineering,  Chennai | SVCE | 23rd September 2017 | SVCE | National |
| 6 | Dr. K. Bhaskar  Professor & Head  Dept. 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, 2017  2017 |

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, 2017  2017 | 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**