**Department of Computer Science and Engineering**

**Research activity report - June-December 2015**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Objective | AP | AC | AM | AE | BT | CH | CE | **CS** | EC | EE | HSS | IT | MR | ME | Remarks |
| 1 |  |  |  |  |  |  |  | **5** |  |  |  |  |  |  | **Will meet at the end of academic year** |
| 2 |  |  |  |  |  |  |  | - |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  | **1** |  |  |  |  |  |  | **Submitted one project.** |
| 4 |  |  |  |  |  |  |  | **12** |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  | - |  |  |  |  |  |  | **Will meet at the end of academic year** |
| No of faculty in the dept. |  |  |  |  |  |  |  | **40** |  |  |  |  |  |  |  |

Fill up the details as: A-Objective achieved; NA-Objective not achieved with respect to following objectives

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Objective | AP | AC | AM | AE | BT | CH | CE | CS | EC | EE | HSS | IT | MR | ME | Remarks |
| 1 |  |  |  |  |  |  |  | **NA** |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  | **NA** |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  | **NA** |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  | **NA** |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  | **NA** |  |  |  |  |  |  |  |
| No of faculty in the dept. |  |  |  |  |  |  |  | **40** |  |  |  |  |  |  |  |

Fill up the numerical figures with respect to following objective

**Objectives:**

1. The number of published quality papers in National and international journal should be equal to 20% of total faculty strength, every year.
2. The number of proposal for research work to various funding agency should be 30% of total faculty strength, in every year.
3. Receiving at least one externally funded project by every eligible department, every year.
4. Attending at least one research seminar / symposia / workshop by the every faculty member, every year.
5. Mentoring at least two graduate students from each department to do research and subsequently publish at least two papers in journals, every year.

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**RESEARCH DETAILS 2015-2016 AS ON DATE**

1. No. of Paper publications in National Journals: **1**
2. No. of Paper publications in International Journals: **4**
3. No. of Funded Projects and cumulative grant : -
4. No. of PhD degree holders in the Department: **9**
5. No. of PhD Research Scholars: Full Time **0** Part Time **12**
6. No. of eligible supervisors: **2 (1. Dr.R.Anitha, 2. Dr.Yashwanth)**
7. No. of Conference publication (National): -
8. No. of Conference publication (International): -
9. No. of Consultancy projects: -
10. . No. of Patents:-

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

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

Publications in National Journals : NIL

Publications in International Journals

1. Dr.Anitha.R & Ms.Madhumitha. T , “Efficient Data Retrieval in Cloud Using Combined Searchable Homomorphic Encryption Mechanism” in ARPN Journal of Engineering and Applied Sciences, Vol. , No. , pp. (Annexure – II – Accepted December 2015).
2. Dr.Anitha. R, John Bright. A, Nikhil Selvaraj 2015, ‘EHDFS: Overview Of Novel Architecture And Data Retrieval Model In Big Data Scenario”, International Journal of Research in Engineering & Advanced Technology, Vol. 3, No. 4, pp. 51-57, 2015. (2.317) SCI - ISSN, 2320-8791. September 2015.
3. Dr.Anitha, R & Dr.Saswati Mukherjee 2015, ‘MaaS: Fast retrieval of data in cloud using Metadata as a Service’, Arabian Journal for Science and Engineering, Vol. 40, No. 8, pp. 2323-2343. (Annexure – I - .361) SCI - ISSN 1319-8025. August 2015.
4. M. Krishnamurthy, K.Manivannan,A Chilambuchelvan, E Rajalakshmi and A.Kannan, “Frequent Itemsets Generation from Transaction Database and Rule Generation using Quine-McCluskey Method” In Middle-East Journal of Scientific Research 23(sensing, signal Processing and Security):2015, PP : 222-231,2015 ISSN 1990-9233
5. M. Krishnamurthy, K.Manivannan,A Chilambuchelvan, E Rajalakshmi and A.Kannan, “Enhanced Candidate Generation for Frequent Item Set Generation" In Indian Journal of Science and Technology: JULY 2015,Volume 8, Issue 13,Print ISSN : 0974-6846,Online ISSN : 0974-5645

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No | Faculty Name | FDP/**~~Workshop~~**~~/Seminar~~ | Organized by | Duration/Months | |
| from | to |
| 1 | Dr.R.Anitha | Cryptography and Network security | Department of Computer Science and Engineering, CEG- Campus, Anna University, Chennai | May 25, 2015 | May 31, 2015 |

**2) Departmental research activities:**

**A). Symposium, Conferences, Workshop and Guest lectures Conducted:**

Symposium organized:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.No. | Name of the Faculty | Name of Symposium | National / international | Sponsoring Agency | Period | | Amount |
| From | To |
| 1 | Ms.G.Janaka Sudha, Mr.K.Srinivasan | Interrupt 15 | National | SVCE, |  |  |  |

Workshop organized

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.No. | Name of the Faculty | Name of workshop | National / international | Sponsoring Agency | Period | | Amount |
| From | To |
|  | Mr.N.M.Balamurugan, Mr.K.Kumanan | Workshop on ‘Python’ | National | SVCE | 25/09/2015 | 26/09/2015 |  |
|  | Mr.K.Srinivasan | Roadmap to Next Generation Digital World | National | SVCE | 01/08/2015 | 01/08/2015 |  |

Guest Lecture organized

1. The department of Computer Science has organized a Guest lecture on the topic “Workshop on Cloud Computing and Windows Application”.The lecture was given by Mr. Abdul Rashid Feroz Khan, Senior evangelist, Microsoft Partners Chennai, 20/07/2015.
2. Department of Computer science has organized a guest lecture on “Workshop on Cloud computing like virtual machines” on 21/07/2015 by Mr. Abdul Rashid Feroz Khan, Senior evangelist, Microsoft Partners Chennai
3. Department of Computer science has organized a guest lecture on “Workshop on Hackathon” on 21/08/2015 by Mr.Krishna Murari, CEO & Founder, Peach Studios Chennai.
4. Department of Computer science has organized a guest lecture on “Workshop on Azure cloud” on 25/08/2015 by Mr. Arun Kumar , Evangelist, Microsoft Partners Chennai

**B). Ongoing funded projects in the in the Department: NIL**

**C). Projects submitted to Funding Agencies by the Department: 1**

1. Dr.R.Anitha,Associate Professor, Department of Computer Science and Engineering, proposal is under review by TNSCST DOTE Campus, Chennai. Titled: Enabling Efficient Data Retrieval In Cloud Using Combined Searchable Homomorphic Encryption Mechanism. (Accepted December 2015)

**3) Student Research Activities:**

**A). List of projects carried out by the students in the department as in house and Industrial project: NIL**

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

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

**Symposium**

1. Third year CSE students S.Gowtham, R.Sangeeth Kumar has secured the Third Prize in paper presentation titled “Smart Mobile application for pollution monitoring system-mobile computing”, in symposium Rendezvous 2K15 organized by R.M.D Engineering College.

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

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

I) Sponsorship for faculty members: NIL

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: NIL

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