**Anna University**Chennai 600 025

**Format for Annual Report for the year 2016-2017 – JULY to june**

**Period from 01.07.2016 to 30.06.2017 (July to June)**

**(Use separate sheet for each item and don’t leave blank columns)**

**Name of the Department / Division / Centre / Institute: Department of Information Technology, MIT Campus**

1. Detailed list of Professors, Associate Professors, Assistant Professors and their   
   **Ph.D. specialization** during the period **01.07.2016 to 30.06.2017**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Name of the Professor/ Associate Professor/ Asst. Professor** | **E-Mail Address** | **Field of Specialization** |
| 1. | Dr. B. Vinayagasundaram | [bvsundaram@annauniv.edu](mailto:bvsundaram@annauniv.edu) | Software architecture Sensor networks Programming |
| 2. | Dr. V. Rhymend Uthariaraj | rhymend@annauniv.edu | Network Security and Model Reduction Algorithms |
| 3. | Dr. Dhananjay Kumar | dhananjay@annauniv.edu | Mobile Communication and Computing |
| 4. | Dr. M. R. Sumalatha | sumalatha\_ramachandran@gmail.com | Information Retrieval and Management |
| 5. | Dr. Radha Senthilkumar | radhasenthil@annauniv.edu | Web Database, Non-Redundant Compact Storage Structures for XML Databases. |
| 6. | Dr. P. Kola Sujatha | pkolasujatha@annauniv.edu | A Data Mining Approach for Hybrid Intrusion Detection System |
| 7. | Dr. G. Rajesh | raajiimegce@gmail.com | Wireless sensors networks |
| 8. | Mrs. B. Lydia Elizabeth | lydiajohn@annauniv.edu | Information Security |
| 9. | Mrs. J. Dhalia Sweetlin | jdsweetlin@mitindia.edu | Medical Image Processing |
| 10. | Dr. S. Umamaheswari | uma\_sai@mitindia.edu | VLSI, Embedded systems |
| 11. | Mrs. D Sangeetha | dsangeetha@mitindia.edu | Cloud Security, Information Security, Distributed systems |
| 12. | Mrs. M. Hemalatha | hemam@annauniv.edu | Pattern recognition, Data Structures, Image processing |

1. List of Degrees awarded during the period **01.07.2016 to 30.06.2017**

**a. M.Phil.**

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| --- | --- | --- | --- | --- |
| **Sl. No.** | **Title of the Thesis** | **Name of the Scholar** | **Name of the Supervisor** | **Month & Year of  Viva-voce conducted** |
|  | - | - | - | - |

**b. M.E. / M.Tech. / M.Arch. / M.Plan. / MBA / MCA**

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| --- | --- | --- | --- | --- |
| **Sl. No.** | **Title of the Thesis** | **Name of the Scholar** | **Name of the Supervisor** | **Month & Year of  Viva-voce conducted** |
| 1. | Detection And Prevention Of Identity Deception On Social Network Communities | Aarthi Bala B | Ms.Hemalatha, M. | 21 April 2017 |
| 2. | Online Extreme Learning Machine For Handling Concept Drift And Class Imbalance Problem | N.Abirami | Dr.Vinayaga Sundaram, B. | 21 April 2017 |
| 3. | A Rank Based Question And Answering System In Social Media | P.Akash | Dr.Kola Sujatha, P | 21 April 2017 |
| 4. | Imagine Denoising Using Kd Tree Based Nonlocal Means For Satellite Images | G.Anandhi | Dr.Uma Maheswari, S | 21 April 2017 |
| 5. | Cost Effective Workflow Scheduling In Cloud | R.Deebalakshmi | Ms.Sangeetha, D. | 21 April 2017 |
| 6. | Array Positioning And Random Correlation Approach For Protecting Biometric Templates | N.Devi Priya | Mr.Ashoka Rajan, R | 21 April 2017 |
| 7. | Robust People Detection And Tracking In Video Surveillance System | N T. Gayathri | Dr.Dhananjay Kumar | 21 April 2017 |
| 8. | Diagnosis Of Liver Cancer Based On Automatic Segmentation And Classification | K.Janani | Dr.Sunil Retmin Raj, C. | 21 April 2017 |
| 9. | Model For Performance And Security Enhancement Of Cloud Data Using Pragmentation And Replication | J.Karthika | Dr.Rhymend Uthariaraj, V. | 21 April 2017 |
| 10. | Efficient Taxi Dispatching System In Distributed Environment | S.Meenakshi | Dr.Radha Senthilkumar | 21 April 2017 |
| 11. | A Genetic Algorithm For Reduced Energy Consumption Using Virtual Machine Placement | S.Premkumar | Mr.Gokuldhev, M | 21 April 2017 |
| 12. | An Efficient Hash For Hardening Bloom Filter For Privacy Preserving Clinical Data | E.Priyanka | Ms.Lydia Elizebeth, B | 21 April 2017 |
| 13. | Diagnosis Of Lumbar Disorders In Computed Tomography Spine Image Using Support Vector Machine Classifier | R.Renuga Devi | Ms.Lakshmi, S.V.V | 21 April 2017 |
| 14. | Decentralized Approach For Energy Efficiency In Data Center Using Load Balancing | G.Renuka Devi | Dr.Sumalatha, M.R | 21 April 2017 |
| 15. | Fuzzy Based Urban Change Detection Using Primitive Indexes | M.Sangeetha Ganga | Ms.Eliza Femi Sherley. S | 21 April 2017 |
| 16. | Video Object Segmentation By Fuzzy C-Means Clustering Using Dense Point Trajectories | V.Sindhu | Dr.Rajesh, G | 21 April 2017 |
| 17. | Feature Selection Using Particle Swarm Optimization For The Diagnosis Of Tumors In Computed Tomography Images Of Tibia | N.Subashree | Ms.Dhalia Sweetlin, J | 21 April 2017 |
| 18. | Effective Object Tracking Based On Texture And Background Weighted Histogram | B.Sundaraiya | Ms.Lakshmi Harika, P | 21 April 2017 |
| 19. | Feature Selection Using PCA Approach For Classification Of Lung Disorders | A.Vaishnavi | Mr.Vivekanandan, D | 21 April 2017 |
| 20. | Link Prediction In Social Network System Using Multi Agent Intelligence | S.Vignesh | Mr.Pughazendhi, E | 21 April 2017 |

**c. M.Sc. (2 years) / M.Sc. (5 years) programme**

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| --- | --- | --- | --- | --- |
| **Sl. No.** | **Title of the Thesis** | **Name of the Scholar** | **Name of the Supervisor** | **Month & Year of  Viva-voce conducted** |
|  | - | - | - | - |

1. Sponsored Research Projects sanctioned during the period **01.07.2016 to 30.06.2017**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Project** | **Name of the  Co-ordinator** | **Amount  (Rs. in lakh)** | **Sponsoring  Agency** |
|  | - | - | - | - |

1. Industrial Consultancy and Testing undertaken during the period **01.07.2016 to 30.06.2017**

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| --- | --- | --- | --- | --- |
| **Sl. No.** | **Title of the Consultancy** | **Name of the Co-ordinator** | **Amount  (Rs. in lakh)** | **Sponsoring Agency** |
|  | - | - | - | - |

1. **Continuing Education Programmes :**

5.1 Training Programmes / Short–term courses and Workshop **conducted** during the period **01.07.2016 to 30.06.2017**

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| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Title of the Programme** | **Date** | **No. of Participants** | **Name of the  Co-ordinator** | **Sponsoring Agency** |
| 1. | Data Warehousing and Data Mining | 27-05-2017 | 32 | Dr. Radha Senthilkumar | Center for Faculty Development, Anna University |
| 2. | FDTP on Mobile Computing | 29-11-2016 | 32 | Dr. B. Lydia Elizabeth | Center for Faculty Development, Anna University |

5.2 Training Programmes, Short–term courses **attended** by the Faculty members in other Institutions during the period **01.07.2016 to 30.06.2017**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Faculty Member and Designation** | **Date** | **Name of the Continuing Education Programme/Training programme attended** | **Venue** |
| 1. | Dr. B. Lydia Elizabeth  Assistant Professor | 07-07-2016 | Instruction management and Institution development | NITTTR |
| 2. | Mrs. J. Dhalia Sweetlin  Assistant Professor | 04-11-2016 | Internet of Things (IoT) | MIT Campus |
| 3. | Mrs. P. Lakshmi Harika, Teaching Fellow | 28-11-2016 | Faculty Development program in Mobile Computing | MIT Campus |
| 4. | Dr. C. Sunil Retmin Raj  Teaching Fellow | 27-05-2017 | Data Warehousing and Data Mining | MIT Campus |
| 5 | Mrs.S.Eliza Femi Sherley  Teaching Fellow | 28 -11-16 to 4-12- 2016.  08 to 09 -04-2017 | Faculty Development program in Mobile Computing  GIS-Designing our Future | MIT Campus  RCC,Anna University,CEG Campus |
| 6. | Mr. M. Gokuldhev  Teaching Fellow | 27-05-2017 | Data Warehousing and Data Mining | MIT Campus |
| 7. | Mrs. P. Jayanthi  Teaching Fellow | 27-05-2017  04-11-2016 | Data Warehousing and Data Mining  Internet of Things (IoT) | MIT Campus  MIT Campus |
| 8. | Mrs. M. Monisha Devi  Teaching Fellow | 23-11-2017  04-11-2016 | Design and Analysis of Algorithms  Internet of Things (IoT) | MIT Campus  MIT Campus |
| 9 | Mrs.S.V.V.Lakshmi  Teaching Fellow | 23-11-2017  04-11-2016 | Design and Analysis of Algorithms | MIT Campus |

5.3 Conferences / Seminars / Symposia / Workshops **conducted** by the Department / Centre / Institute during the period **01.07.2016 to 30.06.2017**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Names of the Conferences / Seminars / Symposium / Workshop conducted** | **Date** | **No. of participants** | **Venue** | **Sponsoring Agency** |
|  | - | - | - | - | - |

6) **Faculty Development:**

* 1. Conferences / Seminars / Symposia / Workshops **attended** by the Faculty Members of Anna University at **National Level** during the period **01.07.2016 to 30.06.2017**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Faculty and Designation** | **Names of Conferences / Seminars / Symposia / Workshops attended** | **Date** | **Address of Organized Institute** |
| 1. | Dr. B. Lydia Elizabeth  Assistant Professor | International Conference on Big Data and Cloud Computing | 01-04-2017 | Karunya University, Coimbatore |

6.2. Conferences / Seminars / Symposia / Workshops **attended** by the Faculty Members of Anna University at **Inter National Level** during the period **01.07.2016 to 30.06.2017**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Faculty and Designation** | **Name of the Country visited** | **Date** | **Name of Travel grant used** | **Purpose / Programme** |
| 1. | Dr.Dhananjay Kumar  Associate Professor | Thailand | 12- 17 Nov’16 | Own | To attend consultation meeting and conference by ITU |
| 2 | Dr.S.Uma Maheswari | Singapore | 10-Oct-2016 to 12-Oct-2016. | CIA, Anna University | To present a paper in 7th Annual Int. Conf. on Computer Science Education: Innovation & Technology (CSEIT-2016). |

6.3. Lectures delivered by the Anna University Faculty members during the period **01.07.2016 to 30.06.2017**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Faculty members and Designation** | **Department of Faculty members** | **Address of Organized Institute** | **Month & Year** | **Name of the programme** |
| 1. | Dr. B. Lydia Elizabeth  Assistant Professor | Information Technology | MIT Campus | 02-12-2016 | FDTP on Mobile Computing |
| 2. | Mrs. J. Dhalia Sweetlin  Assistant Professor | Information Technology | MIT Campus  Alpha Arts and Science College, Chennai | 30-06-2017  24-03-2017 | Artificial Neural networks and Fuzzy logic using Matlab  Cryptography and Security |
| 3 | Mrs.D.Sangeetha | Information Technology | Department of IT, MIT, | 04-11-2016.  December 2016 | Internet of Things in Healthcare  FDTP on Mobile Application development |
| 4 | Mr. Gokuldhev | Information Technology | NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH, Chennai | 2016 |  |

6.4 Honours / Awards received from State / National / International bodies by the AU Faculty Members during the period **01.07.2016 to 30.06.2017**

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| --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Faculty Member** | **Designation** | **Name of the Honours / Awards** | **Name of the Institute / Organization issued the Honours / Awards** |
|  | - | - | - | - |

7) Details of Visitors to the Departments/Centres/Institute other than Anna University Faculty during the period 01.07.2016 **to 30.06.2017**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.  No.** | **Names of the visitors** | **Full Address** | **Purpose of Visit** | **Date of visit** |
|  | - | - | - | - |

8) New Equipment / Instruments purchased costing more than **Rs.1.00 lakh** during the period **01.07.2016 to 30.06.2017**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Name of the Equipment / Instrument purchased** | **Features of Equipment / Instrument** | **Purchase cost  (Rs. in Lakh)** |
|  | - | - | - |

9) Research Papers **Presented** in the **National** Conferences / Seminars / Symposia / Workshops during the period **01.07.2016 to 30.06.2017**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Conference & Title of the Papers** | **Author’s Name** | **Name and Addresses of Venue** | **Month & Year** |
|  | - | - | - | - |

10) Research Papers **Presented** in the **International** Conferences / Seminars / Symposia / Workshops during the period **01.07.2016 to 30.06.2017**

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| --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Conference & Title of the Papers** | **Author’s Name** | **Name and Addresses of Venue** | **Month &  Year** |
| 1. | Adaptive Video Streaming Over HTTP Using Stochastic Bitrate Prediction in 4G Wireless Networks | Dhananjay Kumar, S. Aishwarya, and A. Srinivasan, and L. Arun Raj | ITU Kaleidoscope, Bangkok | 11/2016 |
| 2. | ICIA -16 “Generating Adaptive Partially Ordered Sequential Rules” | Dr. Radha Senthilkumar, R.Deepika, M. Deepak. | Pondicherry Engineering College, Pondicherry. | 10/2016 |
| 3. | “Optimize Scale Independent Queries with Invariant Computation", International Conference on Advance Computing and Intelligent Engineering | Monisha Devi M and Dr. Radha Senthilkumar | C.V. Raman College of Engineering, Bhubaneswar, Odisha. | 12/2016 |
| 4. | “A Genetic Approach for Tri-Objective Optimization in Team Formation” 8th International Conference on Advanced Computing | Niveditha. M, Swetha. G and Dr. Radha Senthilkumar | MIT Campus,  Anna University, Chennai. | 12/2016 |
| 5 | "Enhanced Satellite Image Registration and Fusion Using 2D Curvlet transform" | Veerasundari R and Umamaheswari S, | Computer Science Education: Innovation & Technology (CSEIT-2016), organised by Global Science and Technology Forum, Singapore | 10-Oct-2016 to 11-Oct-2016. |
| 6 | "Integrating Scheduled Hydrophonic System" | Umamaheswari S, Preethi A, Pravin E and Dhanusha R, | Advances in Computer Applications, organised by Bharathiar University, India | 24-Oct-2016 to 24-Oct-2016. |
| 7 | ”Information Retrieval System for Laws” | Sangeetha D, Swetha. S, Kavyashree. R, Vignesh | International Conference on Advanced Computing, IEEE, Chennai | 20-Jan-2017 to 21-Jan-2017 |

11) Books / Journals Published during the period **01.07.2016 to 30.06.2017**

a. Books published

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Book / Title** | **Author’s Name** | **Name of the Publisher** | **Month & Year** |
|  | - | - | - | - |

b. Journals published

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.**  **Use Separate Sheet** | **Name of the Title** | **Author’s Name** | **Name of the  Publisher** | **Month & Year** |
| 1. | Lifelong Learning Analysing Behavioral Models Using Cloud Based Flipped Classroom | Priyadharshini. M, Dr.B. Vinayagasundaram | Journal of Computational and Theoritical Nanoscience | 06/2017 |
| 2. | An efficient system for anomaly detection using deep learning classifier | Revathi, A R, Dhananjay Kumar | Springer | 02/2017 |
| 3. | Patient Specific Model Based Segmentation of Lung Computed Tomographic Images | Dhalia Sweetlin J, Dr.H.Khanna Nehemiah, Dr.A.Kannan | Journal of Information Science and Engineering | 09/2016 |
| 4. | Computer Methods and Programs in Biomedicine | Dhalia Sweetlin J, Dr.H.Khanna Nehemiah, Dr.A.Kannan | Journal of Information Science and Engineering, Elsevier. | 2017 |
| 5. | Computer aided diagnosis of pulmonary hematoma from CT scan images using ant colony optimization based feature selection | Dhalia Sweetlin J, Dr.H.Khanna Nehemiah, Dr.A.Kannan | Alexandria Engineering Journal | 2017 |
| 6 | ‘A secure cloud based Personal Health Record framework in a multi owner environment’, in Annals of Telecommunications, pp. 95-104 | Sangeetha, D & Vaidehi,V | Springer-Verlag, Vol.72, no. 1-2, | 2017 |
| 7 | ‘An Improved Searchable Attribute Based Encryption in Cloud”, | Sangeetha, D & Vaidehi, V | Journal of Information Science & Engineering, vol. 33 no. 3 | . 2017 |

12. List of achievements during the period **01.07.2016 to 30.06.2017**

* Best student innovative award by CTDT for the project Integrating Scheduled Hydroponic System.
  + Mr.Aswin Sridhar (3/8) student of Department of Information Technology, for achieving World Guinness Records in the longest tennis racket and ball control duration and most alternate hits with a tennis racket.