**ACADEMIC AUDIT REPORT**



**14th and 15th DECEMBER, 2015**

**DEPARTMENT OF COMPUTER SCIENCE**

**SACRED HEART COLLEGE (AUTONOMOUS) TIRUPATTUR, VELLORE DT**

**SACRED HEART COLLEGE(AUTONOMOUS), TIRUPATTUR, VELLORE DT**

**DEPARTMENT OF COMPUTER SCIENCE**

**14th and 15th DECEMBER, 2015**

**1. Introduction**

**I) Composition of the Academic Audit Panel**

**1)** Dr.E.George Dharama Prakash Raj, Assistant Professor, School of Computer Science and Engineering, Bharathidasan University,Tiruchirapalli. Mb: 9443191790, Mail: georgeprakashraj@yahoo.com

**2)** Dr.D.I George Amalarethinam, Associate Professor&Director (MCA), Jamal Mohamaed College, Tiruchirapalli. Mb: 9443179535, Mail:di\_george@ymail.com

**3)** Mr.BabuRajan C ,Consultant,Tata Consultancy Services,TCSL “Chennai One” - SEZ Unit, (IGGGL-SEZ), Tower 2, South Wing, SCB ODC, 200 Ft. Thoraipakkam – Pallavaram Ring Road, Thoraipakkam, Chennai – 600 096. Mb: 9940053872, Mail: baburajan.chandran@tcs.com

**4)** Mr. Senthilkumar, Tata Consultancy Services, TCSL “Chennai One” - SEZ Unit, (IGGGL-SEZ), Tower 2, South Wing, SCB ODC, 200 Ft. Thoraipakkam – Pallavaram Ring Road, Thoraipakkam, Chennai – 600 096.

Mb: 94447 40018, Mail: Senthilkumar.Andimanthiri@tcs.com

**5)** Dr. L. Ravi,Head & Associate Professor, Department of Computer Science, Sacred Heart College, Tirupattur, Vellore Dt. Mb: 9443280319, Mail: ravi@shctpt.edu

**6)** Dr. S. Sagayaraj,PG Head & Associate Professor, Department of Computer Science, Sacred Heart College, Tirupattur, Vellore Dt. Mb: 9443035624, Mail: sagisara@gmail.com

**7)** Mrs. A. Josephine Sagaya Mala, Head (Shift II) & Assistant Professor, Department of Computer Science, Sacred Heart College, Tirupattur, Vellore Dt. Mb: 9442316272,

Mail: [jose\_mala@rediffmail.com](jose_mala%40rediffmail.com)

**II) Schedule of the Academic Audit Meetings**

 **Day I 14/12/15**

Meeting Venue: DMT Hall

**Faculty Meeting with External Audit Panel Members 3.30 PM**

Refreshments 5.00 pm – 5.30 pm

Meeting the 3rd year Students of Shift – II 5.30 pm – 6.00 pm

Individual Meeting with the faculty of shift – II 6.00 pm – 7.00 pm

**Day II 15/12/15**

Meeting Venue: DMT Hall

**Visitation of the External Panel Members**

|  |  |
| --- | --- |
| 9.00 am – 9.40 am  | – Meeting the 3rd year Students of Shift – I  |
| 9.40 am – 10.15 am |  – Meeting the 2nd and 1st year Students of Shift – I  |
| 10.15am -11.00 am | - Meeting the PG Students of Shift-II |
| 11.00am-11.20am | - Meeting the M.Phil Students  |
| 11.20 am – 11.30am  | – Individual Meeting with two P.hd Research Scholars  |
| 11.30 am – 12.30 am  | – Visiting Laboratories, Classrooms, Faculty Rooms, Research Lab and Library |
| 12.30 pm – 1.30 pm | – Individual Meeting with shift I and PG Faculties |
| 1.30 pm – 2.30 pm  | – Lunch Break |
| 2.30 pm– 3.00pm | – Meeting the 2nd and 1st year Students of Shift – II |
| 3.00pm—3.30pm | -- Meeting With Student Leaders |
| 3.30pm-4.30pm | – Preparation and Finalization of the Report by the  Members of the Audit Panel |

**2. Milestones of the Department**

1988 - Foundation of the Dept with B.Sc., Computer Science

1998 - Commencement of B.Sc., Computer Science under Self –financed

2000 - First Commune Fest

2003 - First National Conference on Software Engineering

2005 - Commencement of M.Sc. Programme, Commencement of M.Phil Programme 2007 - Autonomy for B.Sc. Computer Science - Shift II

2009 - First SPACE Fest

2012 – First SHAFT Meet

2013 – Silver Jubilee of the Department,

2014 – Commencement of Ph.D Programme, First ANSFRACS Seminar, First intercollegiate PG IT Fest -SHARP

2015 – Silver Jubilee for 3 Faculty Members

**3. Faculty Profile**

**B.Sc Shift – I**

|  |  |
| --- | --- |
| Faculty Strength  |  05  |
| Gender wise  |  Male – 04 Female – 01  |
| Qualification  |  Ph.D – 02 Ph.D with SET – 01 M.Phil – 01 Master – 01  |
| Roles and Responsibilities   |  Dr. L. Ravi - Head, Project Work, IQAC coordinator.  |
| Dr. S. Sagayaraj - Placement, Sports, Class Teacher (II Year), Head (PG-M.Sc. Cs, M.Sc. ST)  |
| Prof. J. John Arockiaraj - Class Teacher (I Year UG), Alumni  |
|  Dr. M. Maria Dominic - DEEDS, Research Cell, Class Teacher(III Year UG), Head(BCA)  |
|  Prof. R. Sandrilla - President (UG Shift I), Women Students (UG), Class Adjustments (UG), CQC Coordinator.  |

**B.Sc Shift – II**

|  |  |
| --- | --- |
| Faculty Strength  |  05  |
| Gender wise  |  Male – 03 Female – 02 |
| Qualification  | M.Phil – 04 Master – 01  |
| Roles and Responsibilities   | Prof. A. Josephine Sagaya Mala - Head – Shift II, SGP – I Year |
| Prof. D. Adhiyaman - Class Tutor (I UG) SGP – I Year, Roadtract, Certificate Program, Stationary incharge  |
| Prof. A. Susai Mary Susila - Class Tutor (II UG)CQC, Sports and Cultural (Girls), Good Afternoon Talk,Department Account, SGP – I Year |
| Prof. M. Sarlinraj - President Shift-II, Sports and Cultural (Boys), SGP- I year, Placement Incharge  |
| Prof. S. Mohanraj -Class Tutor (III UG), DEEDS Incharge , ResearchForum SGP – I Year, Certificate Programme |

**M.Sc**

|  |  |
| --- | --- |
| Faculty Strength  |  05  |
| Gender wise  |  Male – 04 Female – 01  |
| Qualification  |  M.Phil – 02 Master – 03  |
| Roles and Responsibilities   | Prof. S. John Bosco - Class Teacher ( I Year) and Association President |
| Prof. D. Gajalakshmi - Class Teacher ( II Year) and Document Maintenance |
| Prof. R. Denis - : In Plant Training and Communication |
| Prof. T. Prabakaran - Student Profile Maintenance and Sports In-Charge |
| Prof. S. Samuel Doss Alex - Placement Coordinator |

1. **Students Profile**

|  |  |
| --- | --- |
| **Student’s Strength** | Shift – I UG – 156 Shift II – UG – 160Shift II – PG - 52 M.Phil – 19Ph.D – 2 **Total – 389** |
| **Gender Wise Strength**  | Shift – I UG Male - 94 Female - 62Shift II – UG – Male - 93 Female - 67Shift II – PG - Male - 11 Female – 41M.Phil – Male – 03 Female – 16 Ph.D – Male – 01 Female – 01**Total Male** – 202 **Total Female** – 187**Total – 389** |
| **Community wise Strength**  | **Shift – I UG** BC - 89 MBC- 40 SC/ST – 19 BCM – 4 OC – 1 Others - 3**Shift II – UG**  BC - 68 MBC- 60 SC/ST - 29 OC - 3**Shift II- PG** BC -28 MBC- 16 SC/ST – 7 BCM –1 **M.Phil** BC -5 MBC- 10 SC/ST - 4 **Ph.D** BC – 01 MBC – 01 **Total** **BC – 191 MBC – 127 SC/ ST – 59 BCM – 5 OC – 4 Others – 3** **Total - 389** |
| **Average Attendance** | **2013 – 2014****Shift I – I UG**: 95% **II UG**: 94% **III UG** : 93%**Shift II – I UG**: 94% **II UG**: 92% **III UG** : 91%**Shift II – I PG**: 91% **II PG**: 87%**M.Phil** – 88%  **2014 – 2015****Shift I – I UG**: 92% **II UG**: 91% **III UG** : 93%**Shift II – I UG**: 94% **II UG**: 96% **III UG** : 95%**Shift II – I PG**: 93% **II PG**: 94%**M.Phil** – 92% |

|  |
| --- |
| **B.Sc Programme** |
| **Sem****5. Curriculum** | **Part** | **Code** | **Subject Title** | **Hrs** | **Credits** |
| **I** | I |  | Tamil – I | 6 | 3 |
| II |  | English – I | 6 | 3 |
| III |  | Allied Mathematics – I | 5 | 5 |
| III |   | Digital Computer Fundamentals | 3 | 2 |
| III |   | Web Design Concepts and Problem Solving Techniques  | 4 | 4 |
| III |   | Practical I: Web Design Concepts | 2 | 1 |
| IV |  | Life Coping Skills – I | 2 | 2 |
| IV |  | Environmental Science (Part – I) | 2 | 1 |
| IV |  | Communicative English –I | - | 2 |
|  |  |  | **30** | **23** |
| **II** | I |  | Tamil – II | 6 | 3 |
| II |  | English – II | 6 | 3 |
| III |  | Allied Mathematics – II | 5 | 5 |
| III |  | Computer Organization and Architecture | 3 | 2 |
| III |   | Programming with C | 4 | 4 |
| III |   | Practical II: Programming with C | 2 | 1 |
| IV |  | Life Coping Skills – II | 2 | 2 |
| IV |  | Environmental Science (part – II) | 2 | 1 |
| IV |  | Communicative English –II | - | 2 |
|  |  |  | **30** | **23** |
| **III** | I |  | Tamil – III | 6 | 3 |
|  | II |  | English – III | 6 | 3 |
|  | III |  | Allied Physics – I  | 5 | 5 |
|  | III |   | Principles of System Software | 3 | 2 |
|  | III |   | Data Structures and Algorithms | 4 | 4 |
|  | III |   | Practical - III: Data Structures and Algorithms | 2 | 1 |
|  | IV |  | Skill Elective – III | 2 | 2 |
|  | IV |  | Human Rights | 2 | 1 |
|  |  |  |  | **30** | **21** |
| **IV** | I |  | Tamil – IV | 6 | 3 |
|  | II |  | English – IV | 6 | 3 |
|  | III |  | Allied Physics – II | 5 | 5 |
|  | III |   | Computer Graphics | 3 | 2 |
|  | III |   | Relational Database Management System | 4 | 4 |
|  | III |   | Practical - IV: Relational Database Management System | 2 | 1 |
|  | III |  | Allied Physics Practical | - | - |
|  | IV |  | Christian Religion/ General and Special Ethics | 2 | 1 |
|  |   |  | Skill Elective – IV | 2 | 2 |
|  | IV |  | Extension Activities | - | 1 |
|  |  |  |  | **30** | **22** |
| **V** | III |   | Programming with JAVA | 5 | 5 |
|  | III |   | Software Engineering  | 5 | 5 |
|  | III |   | Operating Systems | 5 | 5 |
|  | III |   | Elective - I  | 5 | 5 |
|  |  |  | Advanced Web Technologies |  |  |
|  |  |  | Multimedia and its Applications |  |  |
|  |  |  | Software Testing |  |  |
|  | III |  | Practical - V: Programming with Operating System Concepts | 2 | 1 |
|  | III |  | Practical - VI: Programming with JAVA | 2 | 2 |
|  | III |  | Practical - VII: Advanced Web Technologies | 2 | 1 |
|  | IV |  | Skill Elective –V | 2 | 2 |
|  | IV |  | Non-Major Elective – I | 2 | 2 |
|  |  |  |  | **30** | **28** |
| **VI** | III |  | Computer Networks | 4 | 4 |
|  | III |   | XML and Web Services | 4 | 4 |
|  | III |   | Unix and Shell Programming | 4 | 4 |
|  | III |   | Elective - II  | 4 | 4 |
|  |  |  | Microprocessor and its Applications |  |  |
|  |  |  | Mobile Computing |  |  |
|  |  |  | Data Mining and Warehousing |  |  |
|  | III |   | Project Work  | 4 | 4 |
|  | III |   | Practical - VIII: Unix and Shell Programming | 2 | 1 |
|  | III |   | Practical - IX: XML and Web Services | 2 | 1 |
|  | III |   | Practical - X: Microprocessor and its Applications | 2 | 1 |
|  | IV |  | Skill Elective – VI | 2 | 2 |
|  | IV |   | Non-Major Elective – II | 2 | 2 |
|  |   |   |   | **30** | **27** |
|  |  |  | **Total** | **180** | **144** |

**M.Sc Programme**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sem** | **Code** | **Subject** | **Hrs** | **Cr** | **CA** | **Sem** | **Total** |
| **I** |  | Mathematical Foundations for Computer Science | 5 | 4 | 25 | 75 | 100 |
|  | Advanced Java Programming | 5 | 5 | 25 | 75 | 100 |
|  | Open Source Technologies | 4 | 4 | 25 | 75 | 100 |
|  | Object Oriented Analysis and Design | 4 | 3 | 25 | 75 | 100 |
|  | Elective-I: Web Service Foundation with XML | 4 | 4 | 25 | 75 | 100 |
|  | Elective-I: Advanced Database Concepts |
|  | Practical - I: Advanced Java Programming | 2 | 1 | 40 | 60 | 100 |
|  | Practical-II: Open Source Technologies | 2 | 1 | 40 | 60 | 100 |
|  | Project Work –I | 2 | 1 | 20 | 80 | 100 |
|  | Business Communication | 2 | 1 | 100 | - | 100 |
|  |  | **Total** | **30** | **24** |  |  |  |
| **II** |  | Mobile Computing | 4 | 3 | 25 | 75 | 100 |
|  | Enterprise Java Programming | 5 | 5 | 25 | 75 | 100 |
|  | Windows Application Using C#.net | 5 | 5 | 25 | 75 | 100 |
|  | Information System Security | 4 | 3 | 25 | 75 | 100 |
|  | Elective-II: Semanti c Web | 4 | 4 | 25 | 75 | 100 |
|  | Elective-II: Data Mining |
|  | Practical -III: Enterprise Java Programming | 2 | 1 | 40 | 60 | 100 |
|  | Practical-IV: Window Application Using C#.net | 2 | 1 | 40 | 60 | 100 |
|  | Project Work – II | 2 | 1 | 40 | 60 | 100 |
|  | Human Rights | 2 | 1 | 25 | 75 | 100 |
|  |  | **Total** | **30** | **24** |  |  |  |
| **III** |  | Distributed Operating Systems | 4 | 3 | 25 | 75 | 100 |
|  | Java Open Source Frameworks | 5 | 5 | 25 | 75 | 100 |
|  | Web Application Using ASP.Net | 5 | 5 | 25 | 75 | 100 |
|  | Cloud Computing | 4 | 3 | 25 | 75 | 100 |
|  | Elective - III: Ontological Engineering | 4 | 4 | 25 | 75 | 100 |
|  | Elecgive-III: Big Data Analytics |
|  | Practical -V: Java Open Source Frameworks | 2 | 1 | 40 | 60 | 100 |
|  | Practical-VI: Web Application Using ASP.Net | 2 | 1 | 40 | 60 | 100 |
|  | Project Work – III | 2 | 1 | 20 | 80 | 100 |
|  | Quantitative Aptitude | 2 | 1 | 100 | - | 100 |
|  |  | **Total** | **30** | **24** |  |  |  |
| **IV** |  | Principles of Computer Design | 5 | 4 | 25 | 75 | 100 |
|  | Design and Analysis of Algorithms | 5 | 5 | 25 | 75 | 100 |
|  | Term Paper | 4 | 3 | 100 | - | 100 |
|  | Soft Skills | 2 | 1 | 100 | - | 100 |
|  | Industrial Plant Training | - | 1 | 100 | - | 100 |
|  | Practical - VII: Design and Analysis of Algorithms | 4 | 2 | 40 | 60 | 100 |
|  | Projcet Work – IV | 4+6 | 2 | 20 | 80 | 100 |
|  | **Total** | **30** | **18** |  |  |  |
|  | **Grand Total** | **120** | **90** |  |  |  |

**M.Phil Programme**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sem** | **Code** | **Subject Title** | **Hours** | **Credits** |
| I |  | Research Methods in Computer Science | 6 | 5 |
|  | Frontier Research Areas in Computer Science | 6 | 5 |
|  | Elective I : Ontological Engineering | 6 | 5 |
|  | Elective I : Semantic Web |
|  | Elective I : Distributed Database System |
|  | Elective I : E-Learning |  |  |
| Library Hours : 6 Internet Lab Hrs : 6Theory : 18 Total 30 hrs/week | - | - |
| 18 | 15 |
|  |  | Dissertation | - | 15 |
|  | **Total** | **18** | **30** |

* The new revised syllabus for all the 3 Programmes namely B.Sc., M.Sc., and M.Phil., is effective from the academic year 2014-2015 onwards.

**Analytics:**

**UG**

* Overlapping of contents in general English and skill elective may be avoided in I Year.
* Overlapping of contents in operating system and Linux may be avoided.
* Contents of paper computer Network may be reduced.
* Allied Maths syllabus may be refined as the majority of the students are finding it difficult.
* More than one course for an elective may be offered for both shifts, combining the students of aided & self financing stream.

**PG**

* Full paper on open source technologies may be included with due importance to PHP.
* Smart device programming- theory and practical may be included.

**M.Phil**

* More domains on specialization, may be included.

**6. Evaluation of the Courses**

**Syllabus and Evaluation pattern (UG and PG)**

**Evaluation Scheme for Continuous Assessment**

Two Written Tests 15 Marks

Attendance 05 Marks

Other Components 05 Marks

* Other components may comprise assignments, seminars, quiz, snap test and open book test. At least two components must be considered for a paper.

There is no passing minimum for CA.

**Question paper pattern for Continuous Assessment Tests**

 Time: 2 Hours

 Max Marks: 75

* The Question Paper shall consist of Three sections

 Section - A (6 x 3 = 18 Marks) Answer all Questions.

 Section - B (3 x 9 = 27 Marks) Questions with internal choice (either or type)

 Section - C (2 x 15 =30 Marks) Answer any two questions out of 3 questions.

**Question Paper Pattern for** **External Theory Examinations**

 Time : 3 Hours

 Max Marks: 75

* The Question Paper shall consist of Three sections

Section - A - (10 x 2 = 20 Marks) Answer all Questions. Two questions from each unit.

Section - B - (5 x 5 = 25 Marks) 5 Questions with internal choice (either or type).One question from each unit.

Section - C - (3 x10 = 30 Marks) Answer any three questions out of 5 questions. One question from each unit.

**Evaluation Scheme for practical paper**

* Each **practical paper** will have a maximum of 100 marks.
* For a practical paper, **CA is 40 marks** and **Semester Examination is 60 marks**.
* The features of every programming language are alone listed in the syllabus; however the students are expected to carry out at least 2 exercises in each feature of the programming language.
* **Continuous Assessment**
	1. Performance in the practical session : 30 marks.

(b) CA Test : 10 marks.

* For each practical paper, only one CA test will be conducted for a maximum of 100 marks and it will be computed for 10 marks.

There is no passing minimum for CA.

* **Performance in the practical session:**

 Every practical session will carry a maximum of 10 marks and it is divided as follows:

(a) Initial Preparation & Observation : 5 marks.

(b) Debugging & Execution of Program : 5 marks.

* The students must submit the observation notebook on the day of practical session. Marks will be deducted for late as well as incomplete or incorrect submission.

 **Practical Examinations**

Time : 3 Hours

Max. Marks : 50+10 (10 for Record)

Section - A (1 \* 25 = 25 Marks) A question from the list of exercises

Section - B (1 \* 25 = 25 Marks) General Question

Record Notebook = 10 marks

 Total = 60 Marks

* Each student will get a separate question.
* In a batch of 25 students, 5 students will get the same question.
* Hence a question paper in practical will have 5 sets of questions normally.

**Results Analysis (UG Shift - I)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of the Course Appeared | Year | Sent | Passed | Failed | Pass % | Fail % | 1st Class | 2ndClass | 3rd Class | Distinction |
| B.Sc. CS  | 2014 | 45 | 26 | 19 | 57.78 | 42.22 | 23 | 3 | 0 | 6 |
| B.Sc. CS  | 2015 | 54 | 33 | 21 | 61.11 | 38.89 | 28 | 5 | 0 | 3 |

**Results Analysis (UG Shift - II)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year Of Exam  | Sent  | Passed  | Failed  | Pass %  | Fail %  | Ist Class  | IInd Class  | IIIrd Class  | Distinction  |
| April2015  | 42  | 27  | 15  | 64.29  | 35.71  | 20  | 7  | 0  | 5  |
| April2014 | 45  | 23  | 22  | 51.11  | 48.89  | 14  | 9  | 0  | 2  |
| April2013 | 45  | 21  | 24  | 46.67  | 53.33  | 8  | 13  | 0  | 1  |

**Results Analysis (PG Shift-II)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year Of Exam  | Sent  | Passed  | Failed  | Pass %  | Fail %  | Ist Class  | IInd Class  | IIIrd Class  | Distinction  |
| April2014  | 25  | 23 | 2  | 92  | 8  | 17  | - | - | 8 |
| April2015 | 27 | 25 | 2 | 92.59 | 7.4 | 16 | 2 | - | 9 |

**7. Research and Consultancy**

|  |  |  |
| --- | --- | --- |
| 1. Publications (Plan period) | 2013 -14 | 2014 -15 |
| i) Details of papers published in International journals. | Dr. L. Ravi – 1Dr. S. Sagayaraj – 2 Dr. M. Maria Dominic – 7 Prof. R. Denis - 1 | Dr. L. Ravi – 1Dr. S. Sagayaraj – 3Dr. M. Maria Dominic – 2 |
| ii) Details of papers published in Indian Journals. | Prof. R. Denis – 2 |  |
|  iii) Books & other publications |  |  |
| 2. Participation of Faculty Members in Conferences/ Seminars/Workshops/Symposium/ Orientation Programme/ Refresher Courses  |
|  i) Within India | Dr. L. Ravi – 4Dr. S. Sagayaraj - 4Prof. R. Sandrilla – 5Prof. D. Gajalakshmi – 3Prof. T. Prabakaran – 6 | Dr. S. Sagayaraj – 2Prof. A. Josephine Sahaya Mala – 2 Prof. R. Sandrilla – 3Prof. D. Gajalakshmi – 1Prof. T. Prabakaran – 2Prof. S. Mohanraj – 2  |
| ii) Abroad  |  |  |
| 3. Paper Presentation of Faculty Members in Conferences/ Seminars/Workshops/Symposium/ Orientation Programme/ Refresher Courses  |
|  i) Within India | Dr. L. Ravi – 1 | Prof. R. Sandrilla – 1Prof. T. Prabakaran – 1 |
|  ii) Abroad  |  | Prof. S. John Bosco – 1 |
| 4(b) Financial Assistance sought from any funding agency  | - | UGC |

**8. Infrastructural facilities**

|  |  |
| --- | --- |
| b) Computers  | **B.Sc CS – Shift I**Computer =1Printer =2**B.Sc CS – Shift II**Computer =1**PG**Computer = 1Printer = 1Projector = 3 |
| c) Class Room | UG - 3PG - 2M.PHIL - 1 |
| d) Staff Room | UG Shift I - 1UG Shift II - 1PG - 1UG Shift I HOD - 1UG Shift II HOD - 1PG Shift II HOD - 1PhD - 1 |
| e) Other space available | Common Class Room -1Research Lab -1PG -1 |

**GCC LAB 1**

 OPERATING SYSTEM : WINDOWS XP

 PROCESSOR : INTEL CORE2 DUO

 RAM : 2 GB

 HARD DISK : 250 GB, 500 GB

 SOFTWARES : DOT NET 2010, VISUAL BASIC 6.0, NET BEANS

**GCC LAB 2**

 OPERATING SYSTEM : LUBUNTU 14 (LINUX)

 PROCESSOR : INTEL I3

RAM : 2 GB

 HARD DISK : 500 GB

 SOFTWARES : NETBEANS, OPEN OFFICE

**SERVERS**

 WINDOWS SERVER

 LINUX SERVER

 INTERNET SERVER USED THROUGH BROWSING CENTRE

(BSNL -4 MBPS, VODAFONE – 10 MBPS)

 MOODLE SERVER – CONDUCTING QUIZ PROGRAMES AND IT MEETS

 MAIL SERVER (INTRANET)

**Research Lab Facilities**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Items** | **Quantity** |
| 1 | Laptop | 06 |
| 2 | Desktop PC | 01 |
| 3 | Printer with scanner | 01 |
| 4 | Wired Mouse | 03 |
| 5 | Wired Keyboard | 03 |
| 6 | Chairs | 20 |
| 7 | Tables | 05 |
| 8 | HDMI to RGV converter cable | 01 |
| 9 | Projector | 02 |

**9. Outcome of the Students meeting**

* WI-Fi facility may be given to all students.
* Licensed software may be installed in computer labs.
* Spacious class rooms may be provided.
* Revaluation fee may be reduced to Rs.250.
* College annual fee may be collected in 2 installments.
* Browsing center systems are not working. Number of browsing hours per student may be increased.
* Student Coordination in participation in IT fest may be encouraged.
* Cordial Relationship may be maintained between the programmers and the students in the computer lab.
* Cordial Relationship may be maintained between lab assistants and students in physics lab.
* The time duration allowed to apply for photo copy of the answer script may be extended.
* CQC activities may be monitored and regulated periodically/continuously.
* Students may be permitted to write their arrear exams in the following semester.
* Research lab facility is to be created with sufficient and relevant tools.
* IEEE/ACM , E-journal may be subscribed for the research scholars.

**10. Outcome of the Faculty meeting**

* Research activities may be encouraged by providing monetary benefits.
* Salary may be revised (increased) for self financing faculty members.
* Self financing faculty members may be encouraged by the management to attend orientation and refresher courses.
* Faculty development programs may be conducted for the faculty members.
* Industrial visits for faculty member may be encouraged.
* A full time alumni director may be appointed.

**11. Overall Assessment**

We unanimously feel that the quality of the faculty and students of computer science department are very good. We are extremely happy that the students are well disciplined, highly cooperative and motivated. We suggest certain improvements in the syllabus, lab, faculty room and research facility for the betterment of the department. The library facility and maintenance is highly commendable. Latest books and journals can be added to the exiting library facility.

 **12. Suggestions**

* The department may organize an international conference.
* Video lecturers can be prepared and circulated to the students.
* Staff members may be encouraged to complete NET/SET and Ph.D.
* Staff members may be encouraged to apply for Major/Minor Research Projects.

**13. Conclusion**

 The committee is immensely impressed by the activities of the computer science department. We thank the management for inviting us to conduct the academic audit in this prestigious institution.

**14.Signatures of the Academic panel members :**

|  |  |  |
| --- | --- | --- |
| **S.NO** | **Name and address of the Academic Audit Panel Member** | **Signature** |
| **1** | **External Member – Academician from a Research Institute/University**Dr.E.George Dharama Prakash RajAssistant Professor,School of Computer Science and Engineering,Bharathidasan University,TiruchirapalliMb: 9443191790Mail: georgeprakashraj@yahoo.com |  |
| **2** | **External Member – Academician from an Autonomous College**Dr.D.I George Amalarethinam,Associate Professor&Director (MCA),Jamal Mohamaed College,Tiruchirapalli.Mb: 9443179535Mail:di\_george@ymail.com |  |
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