EVALUATIVE REPORT OF THE DEPARTMENT

1. **Name of the Department & : COMPUTER SCIENCE (PG & Research)**

   its year of establishment   1984 – 85

2. **Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

Sl. No.	Name of Programme	Subject	Year of affiliation	No. of sections	Sanctioned strength	Total Student strength (2011- 12)	Remarks
1	B.Sc.	Computer Science	1984-185	4	200	469	I, II & III Years
2	B.C.A	Computer Applications	2008-09	3	180	319	I, II & III Years
3	M.Sc.	Computer Science	1987-88	2	110	149	I & II years
4	M.Sc.	Information Technology	2001-02	1	40	52	I & II years
5	M.C.A.	Computer Applications	1993-94	2	100	261	I, II & III years
6	M.Phil.	Computer Science	2002-03	1	40	39	one Year
7	Ph.D.	Computer Science	2005-06	-	16	13	--
8	P.G.D.C.A	C. Sc.& Applications	1991-92	1	40	31	--
9	Certificate Course	Data Care Management	2005-06	1	30	30	--

3. **Interdisciplinary courses and departments involved**

   • In UG level, in **Part IV** interdisciplinary Courses like **Skill Based Elective** are offered in all the six semesters and **Non-Major Elective** in the final year as mandatory to all the students.

   • In PG level, in the final year **Extra Disciplinary Courses** are offered mandatory to all the students.

Interdisciplinary courses		Departments involved
UG Level	**Skill Based Elective**	History, Economics, Tamil, English, Commerce, Mathematics, Physics, Chemistry, Botany, Zoology, Physical Education
	Non – Major Elective	History, Economics, English, Commerce, Mathematics, Physics, Chemistry, Botany, Zoology, Business Administration, Physical education
PG Level	**Extra Disciplinary**	History, Economics, English, Commerce, Mathematics, Physics, Chemistry, Botany, Zoology

4. **Annual/ Semester/Choice Based Credit System:**

   Semester pattern with Choice Based Credit System

5. Participation of the department in the courses offered by other departments:

- Our department participates in the courses offered by other departments by extending Skill Based Elective and Non-Major Elective at UG level and Extra Disciplinary Courses at PG level to all the students.

Skill Based Courses – UG Level
- ❖ Introduction to Information Technology
- ❖ Introduction to Software
- ❖ Office Automation tools
- ❖ Fundamentals of Internet
- ❖ Business Process Outsourcing – I
- ❖ Business Process Outsourcing – II

Non Major Elective courses – UG Level
- ❖ Fundamentals of Internet
- ❖ E-Commerce

Extra disciplinary course – PG Level
- ❖ Management Information System

Participation of our Department in Handling Core Courses of other Departments

Programme	Semester	Title
II B.Com	IV	Business Process Outsource
I M.Com	II	E-Business
I M.L.I.S	II	Data base management system
II M.L.I.S	IV	Information Technology

6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)

AIDED SECTION

Post	Sanctioned	Filled
Associate Professor	-	07 (promoted)
Asst. Professors	09	02

SELF-FINANCE SECTION

Post	Sanctioned	Filled
Asst. Professors	29	29

7. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years	Remarks
	Aided Section:						
1.	Dr. R. Sivakumar	Ph.D.	Asso. Prof.	Human Computer Interaction, Ontology and Health Informatics	25	08	--
2.	Mr.V.Ramesh	M.Phil.	Asso. Prof.	Data Base Management Systems, Data structures and Algorithms	22	--	--
3.	Mr.V.Maniraj	M.Phil.	Asso. Prof.	Human Computer Interaction, Data Mining	23	--	Doing Ph.D.
4.	Mr.S.Kumaravel	M.Phil.	Asso. Prof.	Real Time Systems, Embedded Systems	22	--	Doing Ph.D.
5.	Dr. T.Chakravarthy	Ph.D.	Asso. Prof.	Human Computer Interaction, Pattern Recognition, Artificial Neural Networks	21	05	--
6.	Mr.R.Subash Chandra Bose	M.Phil.	Asso. Prof.	Computer Networks, Ontology , Data Base Management Systems	25	--	Doing Ph.D.
7.	Mr.R.Sivakumar	M.Phil.	Asso. Prof.	Data Base Management System, Human Computer Interaction, Data Mining	19	--	--
8.	Mr.T.S.Baskaran	M.Phil.	Asst. Prof.	Computer Networks, Ontology	22	--	Doing Ph.D.
9.	Mr.V.Swaminathan	M.Phil.	Asst. Prof.	Human Computer Interaction, Simulation	23	--	Doing Ph.D.
	Self – Finance Section:						
1.	Mr.R. Manikandan	M.Phil.	Asst. Prof.	Ontology, Semantic Web	15	--	Doing Ph.D.
2.	Mr.G. Sampath	M.Phil.	Asst. Prof.	E-Commerce & Information Technology	18	--	
3.	Mr.K. Sudhakar	M.Phil.	Asst. Prof.	Data Mining and Programming Languages	09	--	Doing Ph.D.
4.	Mr.D. Regupathy	M.Phil.	Asst. Prof.	Relational Data Base Management System, Real Time Systems, Embedded Systems	09	--	
5.	Ms.S.Sivasankari	M.Phil.	Asst. Prof.	Database Mgt. System, Software Engg.			
6.	Mr.K. Prakash	M.Phil.	Asst. Prof.	Software Engineering and Programming Languages	04	--	Doing Ph.D.
7.	Mr.G. Narayanan	M.Phil. M.Tech.	Asst. Prof.	Human Computer Interaction and Programming Languages	03	--	--
8.	Ms.J. Suganya	M.Phil.	Asst. Prof.	Computer Networks and Data Base Management System	03	--	--
9.	Ms.G. Vijaysree	M.Phil.	Asst. Prof.	Relational Data Base Management System and Programming Languages	04	--	--
10.	Ms.M. Bhuvaneswari	M.Phil.	Asst. Prof.	Graphics, Embedded Systems	04	--	--

Sl. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years	Remarks
11.	Ms.N .Rajeswari	M.Phil.	Asst. Prof.	Micro Processor and Computer Graphics	05	--	--
12.	Ms.S. Bhuvana	M.Phil.	Asst. Prof.	Programming Languages	01	--	Doing Ph.D.
13.	Ms.R. Sudha	M.C.A.	Asst. Prof.	Management Information System, Operating System, Distributed Technology	03	--	--
14.	Ms.P. Sujatha	M.Phil.	Asst. Prof.	Data mining	07	--	--
15.	Ms.G. Hemamalini	M.Phil.	Asst. Prof.	Networks, Pervasive Computing	03	--	
16.	Ms.P. Kalaimagal	M.Phil.	Asst. Prof.	Operating System	03	--	
17.	Ms.P. Anitha	M.Phil.	Asst. Prof.	Programming Languages	04	--	
18.	Ms.S. Sumitha	M.Phil.	Asst. Prof.	Programming Languages and Data Base Management System	02	--	
19.	Ms.B. Rajakumari	M.Phil.	Asst. Prof.	Programming Languages and Data Base Management System	02	--	--
20.	Ms.R. Kanimozhi	M.Phil.	Asst. Prof.	Graphics	04	--	--
21.	Ms.Jeevarethinam	B.E.	Asst. Prof.	Networking	03	--	--
22.	Mr.V.Rama nathan	M.Phil.	Asst. Prof.	Programming Languages & Data Base Management System	01	--	--
23.	Ms.G. Kavipriya	M.C.A.	Asst. Prof.	Graphics and Data Base Management System	01	--	Doing M.Phil.
24.	Mr.R. Saravanavel	M.B.A. Systems	Programmer	Operating System and Data Base Management System	07	--	--
25.	Ms.S.Dhanalakshmi	M.Phil.	Asst. Prof.	Operating System and Data Base Management System	01	--	--
26.	Ms.A. Sharmila	M.Phil.	Asst. Prof.	Programming Languages and Data Base Management System	10 Mths	--	--
27.	Ms.V. Vidya	M.Sc.	Asst. Prof.	Graphics and Data Base Management System	10 Mths	--	--
28.	Ms.S. Tamilpriya	M.Phil.	Asst. Prof.	Networks and Data Base Management System	10 Mths	--	--
29.	Mr.R. Kaviarasan	M.C.A	Programmer	Windows, Linux	10 Mths	--	--
30.	Ms. S.Priya	M.Phil.	Asst. Prof.	Computer Ontology	10 Mths	--	--
31.	Ms.Sangeetha	M.C.A.	Asst. Prof.	Programming Languages & Web Designing	10 Mths	--	--

8. Percentage of classes taken by temporary faculty – programme-wise information

Sl. No.	Programmes	Morning session	Evening session
1.	B.Sc. Computer Science	62	100
2.	B.C.A. Computer Applications	93	100
3.	M.Sc. Computer Science	78	--
4.	M.Sc., Information Technology	66	--
5.	M.C.A.	53	92
6.	M.Phil. Computer Science	44	--

9. Programme-wise Student Teacher Ratio

Sl. No.	Name of the Programme	Student teacher ratio
1.	B.Sc.	36:1
2.	B.C.A	32:1
3.	M.Sc. Computer Science	24:1
4.	M.Sc. Info. Technology	23:1
5.	M.C.A	20:1
6.	M.Phil	20:1

10. Number of academic support staff (technical) and administrative staff: sanctioned and filled

Sl. No.	Staff	Sanctioned	Filled
1.	Technical	2	2
2.	Administrative	6	6

11. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise.

Sl. No.	Name	Title of the project	Minor/ Major	Name of the Funding Agency	Period	Amount Sanctioned
1.	Dr. R. Sivakumar	Data mining Technique for protein- protein interaction using rough sets	Major	UGC	2004-06	65,000
2.	Dr. R. Sivakumar	Development of Visualization Methods to Integrate Patient Records for the domain of Acquired Immune Deficiency Syndrome (AIDS)	Major	UGC	2010-2013	9,04,300
3.	Dr. T. Chakravarthy	Online Palm print Pattern Recognition- a Biometric Application.	Minor	UGC	2005-2007	60,000
4.	Prof. S .Kumaravel	Implementation of control system in fish aquaculture	Minor	UGC	2004-2006	1,00,000

12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received :

Applied for DBT-Star College

13. Research facility / centre with

- **State recognition**
  - o Provision of Research Facility by guiding Ph.D. scholars in the department affiliated to Bharathidasan University, Tiruchirappalli. Faculties have recognition of Guideship in Bharathiar University, Coimbatore and Periyar University, Salem.
  - o The Research Advisors are members of Doctoral Committees of other colleges and in the affiliated University.
  - o Offers consultation for inter disciplinary research areas such as Bio Informatics, Library Information Science and Education technology.

- **National and International recognition**
  - o Paper presentation by staff members in National, International Seminars, Conferences, Symposia and Workshops and publication of Research Articles in National and International Journals.
  - o Referees in journals
  - o Minor and Major Research projects are successfully carried out.

Dr. R. Sivakumar
- ➢ International Journal of Advanced Information Technology (IJAIT)
- ➢ International Journal of Advances in Knowledge Engineering & Computer Sciences.
- ➢ Journal of Electrical and Electronics Engineering Research.
- ➢ Journal of Global Optimization.
- ➢ Computer Methods and Programs in Biomedicine, Elsvier.

Prof. V. Swaminathan:
- ➢ International Journal of Information Sciences and Techniques (IJIST) – 2011.

Prof. S. Kumaravel:
- ➢ Journal of Sensor and Transducers – 2011.

Prof. V. Swaminathan

Guest of Honour and Session Chair for ICCSIT-2012 International Conference on Computer Science and Information Technology	International Conference	"Interscience Open Access Journal"**,** Bhubaneswar, India	21st April, 2012

14. Publications:

- ∗ **Number of papers published in peer reviewed journals (national/ international)**

Sl. No.	Year of Publication	No. of papers Published	
		National	**International**
1.	2007 – 2008	--	02
2.	2008 – 2009	02	02
3.	2009 – 2010	06	13
4.	2010 – 2011	08	17
5.	2011 – 2012	02	21

- ∗ Monographs : Nil
- ∗ Chapter(s) in Books : Nil
- ∗ Editing Books : 02
  1. A Foundation Course Computer and Internet Programming- Course Material for non computer students – By the Dept. of Comp. Sci.
  2. Business Outsource Processing - For Commerce Students- 2011-12 by the Dept. of Comp. Sci.

∗ Books with ISBN numbers with details of publishers : **01**

Sl. No.	Name of the Book / Title of the Article / Book / Editor	Publisher	Place and Year of Publication
1	Web Programming using PHP and MySQL, ISBN:978-93-5051-581-5/ Dr. R. Sivakumar	Himalaya Publications.	Mumbai, 2012.

∗ Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) **: 17**

S.No	Title of the Journal	Indexed by	No.
1.	International Journal of Info. and Mathematical Sciences	EBSCO and Scopus	2
2.	International Journal of Computer Theory and Engineering, (Singapore Journal).	EBSCO, ETLibrary, Google Scholar INSPEC , WorldCat	5
3.	International Journal of Advanced Information Technology (IJAIT)	EBSCO and Google Scholars	2
4.	International Journal on Computational Sc. & Applications	Scopus	1
5.	Springer Artificial Intelligence Review	Science Citation Index, Science Citation Index Expanded (SciSearch), Journal Citation Reports/Science Edition, SCOPUS, PsycINFO, INSPEC, Google Scholar, EBSCO, CSA, ProQuest, Academic OneFile, ACM Computing Reviews, ACM Digital Library, Computer Abstracts International Database, Computer Science Index, Current Abstracts, Current Contents/Engineering, Computing and Technology, DBLP, Earthquake Engineering Abstracts, EI-Compendex, Engineered Materials Abstracts, ERIH, Gale, io-port.net, Library, Information Science & Technology Abstracts (LISTA), Linguistics Abstracts, MathEDUC, OCLC, SCImago, STMA-Z, Summon by Serial Solutions, VINITI - Russian Academy of Science	34
6.	Journal of Electronic Commerce Research	ABI/INFORM by ProQuest, Cabell Directory, Cambridge Scientific Abstracts (CSA), Computer Science Bibliography (DBLP), Computer Literature Index (CLI), Current Contents/Social and Behavioral Sciences (CC/S&BS), DEST Register of Refereed Journals, Directory of Open Access Journals (DOAJ), Documents in Computing and Information Science(DoCIS), Intute: Science,	16

		Engineering & Technology, J-Gate: Informatics, Social Sciences Citation Index (SSCI), The International Bibliography of the Social Sciences (IBSS), The Index of Information Systems Journals, Ulrich Periodical Directory	
7.	International Journal of Business Information Systems	Academic One File (Gale), ACM Digital Library, Business and Company Resource Center (Gale), Computer and Information Systems (CSA), DBLP Computer Science Bibliography, Expanded Academic ASAP (Gale), General Business File ASAP, International (Gale), General OneFile (Gale), Google Scholar, InfoTrac Custom Journals (Gale), Inspec (Institution of Engineering and Technology), io-port (FIZ Karlsruhe), Scirus (Elsevier), Scopus (Elsevier)	14
8.	International Journal of Computational Intelligence Research	ACM Computing Reviews, ACM Guide to Computing Literature, DBLP, EBSCO database, Google Scholar	5
9.	International Journal of Computer Science Issues	Google Scholars, Scientific commons, Sci. Rate	3
10.	International Journal of Computer Application	Google Scholars, DOAJ, Informatics	3
11.	Sensors & Transducers Journal	EBSCO, Scopus and Google Scholars	3
12.	Instrumentation science technology	Google Scholars	1
13.	International Journal of Research In Computer Science,	World cat, Google Scholars, DOAJ	3
14.	Journal of Theoretical And Applied Information Technology,	EBSCO, Scopus and Google Scholars	3
15.	Computer Science and Engineering: An International	getCITED, pubgetBETA, CiteSeerXBeta, .docStoc, pubZone, ProQuest, Google Scholar, Scribd, WorldCat, UlrichsWeb	10
16.	International Journal of Data Mining & Knowledge Management Process (IJDKP)	Ebsco Publishing, DOAJ, getCITED, pubgetBETA, CiteSeerXBeta, .docStoc, pubZone, ProQuest, Google Scholar, Scribd, WorldCat, UlrichsWeb	12
17.	Artificial Intelligence Research	EBSCOhost, Google Scholar, LOCKSS, PKP Open Archives Harvester, Gale's Academic Databases	5

∗ Citation Index – range : 1 to 5
∗ Citation Index – average : 2.5
∗ SNIP : Nil
∗ SJR : Nil
∗ Impact factor – range : 0.42 – 1.213
∗ Impact factor – average : 0.815
:

∗ h-index

Sl. No.	Title of the Journal	h-index
1.	Journal of AMSE, France	23
2.	International Journal of Business InformatioSystems(USA Journal)	11
3.	Journal of Theoretical and Applied Information Technology	3
4.	Computer Science & Engineering: An International Journal	7
5.	International Journal of Computer Application	5

15. Details of patents and income generated: ----

16. Areas of consultancy and income generated:
- ➢ Our Technology Supportive team offers consultation on innovative knowledge representation strategies for teaching process in educational Colleges.
- ➢ Our department offers consultation to selected institutions for their technology upgradations, soft skill development programmes and research activities.

17. Faculty recharging strategies

Staff members have undergone **Orientation, Refresher Courses,** attended seminars and presented papers.

Orientation / Refresher Courses

Sl. No.	Year	Number of staff attended	
		Orientation	Refresher
1.	2007 – 2008	01	-
2.	2008 – 2009	-	01
3.	2011 – 2012	01	01

Papers presented in Seminars

Sl. No.	Year	No. of Papers Presented		
		State	National	International
1.	2007 – 2008	01	03	-
2.	2008 – 2009	12	-	-
3.	2010 – 2011	04	14	03
4.	2011 – 2012	--	02	12

18. Students projects
- • **percentage of students who have done in-house projects including inter-departmental**
- ➢ In all the under mentioned Programmes Mini Project is mandatory and done internally whereas Major Project is done externally in software companies.

Course	Internal	External
M.Sc., Comp. Sc.	100	100
M.Sc., I.T.	100	100
M.C.A.	100	100
M.Phil., Comp. Sci.	--	100

1.	Zeptoware Technologies	Chennai
2.	Grandeurs Information Technologies pvt Ltd	Chennai
3.	Manchyspo Tech pvt Ltd	Chennai
4.	pelican Infotech	Chennai
5.	Infosoft	Chennai
6.	Mascon Global Ltd	Chennai
7.	Neolysi Tech Pvt Ltd	Chennai
8.	Victory Visitions	Chennai
9.	Tecl	Chennai
10.	Semi colon Technologies pvt Ltd	Chennai
11.	Opcion Technologies	Coimbatore
12.	HCL Infosystem Ltd	Puducherry
13.	Q-Base Technologies	Pondicherry
14.	De Horizon Tech	Chennai
15.	Pentacles Technologies	Puducherry
16.	Adept Solutions	Bangalore
17.	Aadhi tyaa Infomedia Solutions	Chennai
18.	Anju Soft(India)Pvt Lltd	Chennai
19.	Data amruth Solutions Pvt Ltd	Chennai
20.	Vishal Precision Products Pvt Ltd	Chennai
21.	Masc on Global Limited	Chennai
22.	Global Soft Solutions	Trichy
23.	Endeavour Dreamsoft Pvt Ltd	Chennai
24.	Congruent Solutions Pvt Ltd	Chennai
25.	KRDS Solutions	Chennai
26.	Solutionz Technologies	Chennai
27.	Sans Pareil IT services Pvt Ltd	Chennai
28.	Pentosoft Technologies Ltd	Chennai
29.	Streta Sytems and Technology	Chennai
30.	Obound	Chennai
31.	First soft technologies(p)Ltd	Chennai
32.	Polaris Software lab Limited	Chennai
33.	KRA Systems	Thanjavur
34.	Centre for Info-Business System	Chennai
35.	Newsense Softech solutions	Thanjavur
36.	Triology Technologies Pvt Ltd	Chennai
37.	Binotech pvt Ltd	Chennai
38.	Pinnacle Systems	Chennai
39.	Blue chip Tech	Chennai
40.	I-flash solutions	Chennai
41.	Sukraa Software Solutions Pvt Ltd	Chennai
42.	Isakura Technologies	Chennai
43.	DKD Engineers and Agencis	Chennai
44.	Hindustan software ltd	Chennai
45.	SRA System limited	Chennai
46.	Vaxgen Technologies	Chennai
47.	Femtosoft Technologies	Chennai
48.	First line info tech Pvt Ltd	Chennai
49.	Accord Info matrix Pvt Ltd	Chennai
50.	Seventh sense Networks	Chennai
51.	Kranilum	Bangalore
52.	NTC	Bangalore
53.	Muesoft Technologies	Chennai
54.	Vaarisoft Technologies	Chennai

55.	Dinakaran	Chennai
56.	Florida Software Solutions	Chennai
57.	Borealis	Bangalore
58.	Annex Solutions	Hyderabad
59.	Fagam Software Pvt Ltd	Trichy
60.	Altus Infotech	Trichy
61.	NIIT	Chennai
62.	AB Technologies	Chennai
63.	Creators	Chennai
64.	Shalom InfoTech	Chennai
65.	Logicsoft	Chennai
66.	AS Technologies	Chennai
67.	Crux the core of Excellent	Chennai
68.	Creative technologies	Chennai
69.	Fixity	Chennai
70.	FAHPL Technologies	Chennai
71.	Dcom Solutions	Chennai
72.	Generic technology	Chennai
73.	Creator web India	Chennai
74.	E-zest	Chennai
75.	Pearlsoft Technology	Chennai
76.	SRM Info Technology	Chennai
77.	Oclus Technology	Chennai
78.	Blueberry	Chennai
79.	Logusoft	Chennai
80.	Geo System Software Technolgy	Chennai
81.	SUS Technology	Chennai
82.	CCI Soft Solutions	Chennai
83.	Ennobledge Technology	Chennai
84.	I Tech Information system	Chennai
85.	Mayokee Technology	Chennai
86.	etty Process	Chennai
87.	SSI Soft solution	Chennai
88.	Spicture Software solution	Chennai
89.	Ite K	Trichy
90.	I-Vertex	Chennai
91.	Miracle Mindz	Chennai
92.	Netzen Technology	Chennai
93.	Vmak solutions	Chennai
94.	Global Tri soft	Chennai
95.	Idreams Info Technology	Chennai
96.	Samays	Chennai
97.	Neoslysi	Chennai
98.	VMAK	Chennai
99.	Tripple dot	Chennai
100.	Step Info System	Chennai
101.	Zebras	Chennai
102.	Soft Tricks Technologies	Chennai
103.	Soft Orix	Chennai
104.	Vetra Tech Soft	Chennai
105.	Agastha	Chennai
106.	IM SysLogic Info Technology	Chennai
107.	KRDS Soft Solution Private Limited	Chennai
108.	Prasar Technology	Chennai

109.	Apolo Csdu	Chennai
110.	Varicon Technologies	Chennai
111.	Viknesh Info Technolgy	Chennai
112.	Fabsyss	Chennai
113.	TID	Chennai
114.	Ahvidb Technologies	Chennai
115.	Hircracle Mind	Chennai
116.	Sakthi Software Solution	Chennai
117.	Soflox Technology	Chennai
118.	Feb Info System	Chennai
119.	Adapt Solutions	Bangalore

19. **Awards / recognitions received at the national and international level by**

- **Faculty – Awards & Recognitions**

  - **Dr.R.Sivakumar** – Received **Bharath Shiksha Ratan Award** for "Individual Achievement and National Development "at New Delhi on 03/09/2012.

  - **Dr.R.Sivakumar – Co ordinator of Cluster colleges** of the Bharathidasan University in Thanjavur and Tiruvarur districts since 2008.

  - **Prof.V.Swaminathan** – awarded for his contribution to college Development, by our college Management on 05/09/2012.

  - **Dr.R.Sivakumar** - Nominated as commission chairman by the Vice-Chancellor of Bharathidasan University for starting new colleges and new programmes.

  - **Dr.R.Sivakumar** served as a resource person
    - Recent trends in Feed forwarded Neural Networks – Back propagation Algorithms at VHSNN College, Virudhunagar on 22nd & 23rd Feb. 2007
    - Data mining held at Gobi Arts & Science College, Gobi on 10.03.2007
    - Artificial Intelligence & Neural Networks at SRM University, Chennai on 22.02.08
    - Human Computer Interaction at Govt. College, Kumbakonam on 31.03.08
    - Data mining at Bharathiar Engg. College, Karaikal on 18.03.2009
    - Data mining at Govt. College, Trichy from 2009
    - Recent Trends in C.S at Govt. College, Trichy on 2009
    - Emerging Trends of Computer Applications at Jeyaram Engg. College, Thuraiyur on 22.09.2009

- Data mining Techniques and its Applications at Kadar Moideen College, Adirampattinam on 2010
- Data mining at Deivanni Ammal College, Villupuram, 2010
- Semantic Web held at K.S.R Engg. College, Thiruchengode , 2012
- Advances in CS at Bonsecours College, Thanjavur on 25.01.2012

- **Prof. P. R.Sivakumar** served as a resource person Human Computer Interaction held at Periyar E.V.R College(A) Thrichirappalli on 05.03.10

- **Prof. R. Subashchandrabose** served as a resource peron Post-mining of association rules using ontology held at Khadir Mohideen College, Adirampatinam on 17.03.2011

- **Doctoral / post doctoral fellows,**
- **Students:**
  - Ms.C.Mari Sumathra, II B.Sc. Comp. Sci., Multimedia Presentation at MIET College on 28.09.11
  - Ms.C.Mari Sumathra, II B.Sc. Comp. Sci., Multimedia Presentation at Holy Cross College on 16.09.11
  - Ms.R.Arthi and Ms.C.Sri Gowri, III. B.Sc. Comp. Sci. presented a paper at Holy Cross College, Trichy on 16.09.2011
  - Ms.V.Akshaya, II B.C.A., Poster Presentation competition at Holy Cross College, Trichy on 16.09.2011
  - Mr.M.C.Ganesh, II M.Sc. IT., participated as a Prodigy (in a surprise event) at A.A.M.E. College, Kovilvenni on 01.10.2011
  - **103 students** are participated in various competitions in various places.

Placement Information

S. No	Student Name & Class	Company	Date of selection
1.	S. Manirengan, III B.Sc., CS	Wipro WASE	09.01.2012
2.	Sri Gowri, III B.Sc., CS	Wipro WASE	09.01.2012
3.	Sri Gowri, III B.Sc., CS	iGATE	28.01.2012
4.	Anusya, III B.Sc., CS	TCS	28.9.2011
5.	S.Dinesh, III MCA.,	Syntel	18.7.2011
6.	Hepsiba Gnana Deepam, III B.Sc., CS	Wipro WASE	28.8.2010
7.	S.Indira, III B.Sc.,	Wipro WASE	28.8.2010
8.	S.Deepika III B.Sc.	Sathyam Computers	Aug 2008
9.	S.Sharmila III B.Sc.	Annam Soft	18.5.2008
10.	T.Sadeeshraj, III B.Sc.,	WIPRO	22.1.2008

S. No	Student Name & Class	Company	Date of selection
		Infotech	
11.	G.Vijayakanth, III B.Sc.,	WIPRO Infotech	22.1.2008
12.	S.Vimalesh, III B.Sc.,	WIPRO Infotech	22.1.2008
13.	S.Balasundaram, III B.Sc.,	WIPRO Infotech	22.1.2008
14.	K.B.Yoganathan III B.Sc.	Wipro WASE	22.3.2007

Best College Award Winners

Name of the Student	Details of the Activity	Institution Organized	Period
J.Swathi	Optima-08	NIT, Trichy	4.10.2008
S.Deepika	Optima-08	NIT, Trichy	4.10.2008
S.Priyadharsini	Optima-08	NIT, Trichy	4.10.2008
K.Sujith	Optima-08	NIT, Trichy	4.10.2008

20. **Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any : ---**

21. Student profile course-wise:

UG Programme – Computer Science

Year of study	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2007-08	225	120	75	88	99
2008-09	181	97	54	84	84
2009-10	159	66	46	91	91
2010-11	195	79	107	84	96
2011-12	310	75	106	92	97

UG Programme – Computer Application

Year of study	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2008-09	78	---	37	--	--
2009-10	68	---	32	--	--
2010-11	187	68	79	--	100
2011-12	168	55	85	--	100

PG Programme – Computer Science

Year of study	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2007-08	22	08	09	100	100
2008-09	35	05	19	100	100
2009-10	67	25	27	100	100
2010-11	98	23	48	100	100
2011-12	102	33	45	97	100

PG Programme – Information Technology

Year of study	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2007-08	75	33	20	100	100
2008-09	56	17	27	97	92
2009-10	45	11	17	100	100
2010-11	38	15	12	100	100
2011-12	38	10	15	94	100

PG Programme – Computer Applications

Year of study	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2007-08	173	84	53	100	100
2008-09	116	50	55	94	96
2009-10	54	58	43	99	98
2010-11	137	37	73	98	100
2011-12	204	45	65	93	97

M.Phil. Programme

Year of study	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2007-08	16	03	13	95	100
2008-09	25	02	14	100	100
2009-10	25	06	28	96	98
2010-11	45	--	28	92	93
2011-12	60	09	30	87	90

Ph.D. Programme

Doing		Awarded before the assessment period		Awarded during the assessment period	
Male	Female	Male	Female	Male	Female
10	03	-	-	-	-

P.G. Diploma Computer Applications

Year of study	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
2007-08	48	29	09	91	93
2008-09	51	29	08	89	91
2009-10	33	15	16	90	92
2010-11	32	12	18	88	90
2011-12	48	01	30	100	92

Certificate Course - Data Care Management

Year	Applications received	Selected	Pass percentage
2007-2008	25	18	93
2008-2009	38	24	95
2009-2010	35	27	98
2010-2011	18	09	96
2011-2012	30	30	97

22. Diversity of students

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Sc. Computer Science	---	100	---	---
B.C.A. Computer Applications	---	100	---	---
M.Sc. Computer Science	43	57	---	---
M.Sc. Information Technology	22	78	---	---
M.C.A.	47	53	---	---
M.Phil.	45	55	---	---
Ph.D.	55	45	---	---

23. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? : ---

24. Student progression

Student progression	Percentage against enrolled
UG to PG	73
PG to M.Phil.	38
PG to Ph.D.	10
Ph.D. to Post-Doctoral	---

Employed
    Campus selection
    Other than campus recruitment
	
	13
	75

Entrepreneurs	12

25. Diversity of staff

Percentage of faculty who are graduates	
of the same parent university	72
from other universities within the State	28
from other universities from other States	--

26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

Sl. No.	Year of completion	No. of faculty awarded Ph.D.
1.	2008	01

27. Present details about infrastructural facilities

    a) Library   : General Library   : **4,169 books**
                                          Department Library :   **227 books**

1. ACM Transactions on Computer-Human Interaction
2. ACM Journal on Emerging Technologies in Computing Systems.
3. ACM Transactions on Database Systems.
4. Journal of Computer Science and Software Technology. International Science Press, F-2562, Amal's Palamvihar, Gurgaon, Haryana, India.
5. International Journal Computational Intelligence.
6. DataQuest Cybermedia Publications 2009-2010.
7. P.C quest.
8. Journal of Computer Soceity of India.
9. International Journal of Computer Science and Software Technology.
10. Journal of Neural Computing Systems F-2562, Amals Palamvihar, Gurgaon, Haryana, India.
11. International Journal of Computer Science and System Analysis.

    b) Internet facilities for staff and students   : Internet facility is available in the department for staff and students.

Lab1 (UG Lab)

IBM-Lenovo	–	40 Systems
i3 processor		
500 GB Hard Disk		
DDR3 2GB RAM		
Acer	-	30 Systems
Dual core processor-30 Systems		
250 GB Hard Disk		
DDR2 2GB RAM		
Wipro	-	15 Systems
i3 processor		
250 GB Hard Disk		
DDR3 2GB RAM		
Acer	-	15 Systems
Pentium4 processor		
80 GB Hard Disk		
1GB RAM		
Server		
HP Server-1		
Xenon processor-1		
500 GB Hard Disk		
6 GB RAM		

Lab2 (PG Lab)

ACER	-	32 Systems
Pentium4 processor		
80 GB Hard Disk		
1GB RAM		
Diskless Pc	-	13 Systems
Total		45 Systems

Lab 3(Electronic Lab)

MPS Kit 8086	-	2
MPS Kit 8085	-	5
5 Volt Battery	-	10
Embedded Kit	-	10

Research Lab

i3 processor

500 GB Hard Disk

DDR3 2GB RAM

Xenon processor-1

500 GB Hard Disk

6   GB RAM

Interactive Board

c) Total number of class rooms   :   14
d) Class rooms with ICT facility   :   01
e) Students' laboratories   :   03
f) Research laboratories   :   01

28. Number of students of the department getting financial assistance from College.

Year	Management Financial Assistance			Government Financial Assistance		
	UG	PG	M.Phil	UG	PG	M.Phil
2007-08	30	10	2	501	199	8
2008-09	81	31	3	245	92	7
2009-10	90	21	5	560	182	34
2010-11	70	15	4	680	210	24
2011-12	95	32	3	721	280	26

29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.

Yes, based on

- Employment opportunities – by consulting with software professionals and soft skill trainers
- Technology changes – by consulting with software engineers
- Research trends – by consulting with scientists

30. Does the department obtain feedback from

a) **Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**

- By organizing periodical meetings, sharing ideas on novel teaching and evaluation strategies and applying the same
- Experiences in participation of various Board of studies meetings.
- Analyzing feedbacks on evaluation and curriculum collected from external staff members.

b) **Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**
- Analyzing periodical feedbacks from students on staff members with IQAC.
- Based on the outcome of the above analysis, practice the following remedial measures:
    * Conduct of additional theory classes.
    * Conduct of additional lab practical classes during holidays.
    * Conduct of program demonstration classes.
    * Extra coaching for slow learners.
- Utilizing outgoing students' feedback on curriculum.
- Admitting students' representation in Board of studies meeting to record their views and expectations.

c) **Alumni and employers on the programmes and what is the response of the department to the same?**
- Collecting Alumni feedback on curriculum.
- Recording employers' valuable suggestion during interaction sessions.
- Synthesizing the above and taking into account while revising the syllabus.
- Admitting their participation in Board of studies meeting.

31. List the distinguished alumni of the department (maximum 10)

S. No	Name	Current Position	Address	email
1.	Mr. S. Ramkumar	Chief Delivery Officer	Steria Pvt. Ltd., Noida, U.P	s.ramkumar@steria.co.in 9840018832
2.	Mr. S. Venkat Krishna Kumar	Associate Professor	P.S.G college, Coimbatore	svkkumars@gmail.com 9965666924
3.	Mr. A. Saravanan	Senior Vice President & Managing Director	EMC^2 – EMC Data Storage System Pvt. Ltd., Bangalore	asaravanan@hotmail.com 9980990000
4.	Mr.J.Baskar	Software Architect, IBM, Germany.	IBM Private Limited, Germany.	09845632731
5.	Dr. M. Sundararajan	Asst. Prof. of Computer Science	Govt. Arts College (Men) Nandanam, Chennai	drmsrajan23@yahoo.com 9840240094
6.	Mr. K. Arutchelvan	Asst. Prof. of Computer Science	Annamalai University	karutchelvan@yahoo.com 9976473280
7.	Dr. J. Sathishkumar	Associate Professor of Comp. Science	Bharathiar University, Coimbatore	jsathee@rediffmail.com 9443968110
8.	Mr. V. Sai Krishna	Engineer Manager,	EBay India Product Centre Pvt. Ltd., Bangalore	vsaikrishna@rediffmail.com 9840893891

S. No	Name	Current Position	Address	email
9.	Mr. M.Chandrasekar Bharathi	Vice President	Mahindra Satyam Marg Square, 147, IT Highway, OM Road, Karappakkam, Chennai - 96	chandrasekar_bharathi@ mahindrasatyam.com 9840714833
10.	V.Ramanathan	Business Analyst	C^3 CHIL Special Economic Zone, Saravanampatti Via, Keeranatham Village, Coimbatore-641035	Ramanathan.vaduganathan@cognizant.com 91-9566659581

32. Give details of student enrichment programmes (special lectures/ workshops / seminar) with external experts.

S. No.	Programme Type	Topic	Date	Resource Person
1	Workshop	Pervasive Computing	08/03/2008	Dr. A. Vadivel, National Institute of Technology , Trichy
2	Training Programme	IBM Software Training Programme	September 2008	MR. Ravi Narayanan, IBM, Haryana.
3	Workshop	Software Process, Quality and Standards	16/03/2009	Mr.M. Balasubramanian, Software Testing Engnieer, Bharathidasan University Technological Park, Trichy
4	Seminar	Pervasive Computing	07/08/2010	Mr.K. Palanivel, Lecturer in CSE, Kings College of Engineering,
5	Workshop	Ontology Tools	23/08/2010	Dr. A. Vadivel, National Institute of Technology , Trichy
6	Industrial Visit	C-DAC, Bangalore	13/08/2010 & 14/08/2010	Final PG Students visited.
7	Industrial Visit	Cochin	05.08.2011	Final PG Students visited.
8	Workshop	HCI Tools	25/08/2011	i) K. Palanivel, Dept. of Computer Science, A.V.C College, Mayiladuthurai ii) G. Kumaravelan, Department of Computer Science Engineering, Pondichery University
9	Seminar	HCI Technologies	25/08/2011	Prof. J.G.R. Sathiaseelan, Associate Professor in Comp. Sci, Bishop Heber College, Trichy.
10	Industry-Institution - Interaction	Software Project Management	30/09/2011	Mr. V. Mohan, Senior Software Engineer, I.B.M, Bangalore
11	Workshop	Cloud Computing Applications	27/2/2012	Prof. T.SenthilKumar, Asst. Prof. of Computer Science Engineering, Amirtha University, Coimbatore

S. No.	Programme Type	Topic	Date	Resource Person
12	Invited Talk	Advances in Mobile Communication	28/02/2012	Mr. J.V. Raja Reddy, General Manager, BSNL, Thanjavur
13	Seminar	Cloud Computing Concepts	02/03/2012	Prof. G. Sureshkumar, Asst. Professor, School of Engg and Computer Technology, Pondichery University.
14	Seminar and Interaction Session	Research Trends in Computer Science	08/03/2012	Dr. N.P. Gopalan, Professor, Department of Computer Applications, National Institute of Technology, Trichy

33. List the teaching methods adopted by the faculty for different programmes.

Sl. No.	Programme	Teaching Methods Adopted
1.	UG	Chalk – Talk Method, Classroom Interaction, Interactive Board, OHP, Guest Lectures, Seminars, Library hours allotment and supply of Study Materials
2.	PG	Chalk – Talk Method, Classroom interaction, Interactive Board, LCD, OHP, Guest Lectures, Seminars, Library hours allotment, Group Discussion, Workshops, Training Programme, Internal Project, External Industry Projects, Internet to teach GUI programming and its applications, Ontology visualization tools and supply of Study Materials
3.	M.Phil.	Chalk – Talk Method, Classroom interaction, Interactive Board, LCD, OHP, Guest Lectures, Seminars, Library hours allotment, Group Discussion, Workshops, Training Programme, Internet to teach GUI programming and its applications, Ontology visualization tools, Panel Discussion, Dissertation work and Micro teaching

34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?

    a) Through C.I.A. tool.

        ∗ Regulating students attendance

        ∗ Enhancing responsiveness

        ∗ Experiencing multiple choice exams through online exams

    b) Through Results analysis in Mid, end and semester exams, taking corrective measures.

    c) Through tutorial system, care on students' to fulfill their expectations.

35. Highlight the participation of students and faculty in extension activities.

Participation in Extension Activities is mandatory for all UG students as **Part V** of studies. In Extension Activities we offer NSS, NCC, YRC, etc.

a) Computer Literacy programmes for rural school students.
b) Software development activities for examination section
c) Assisting library automation process
d) Assisting college website updating activities
e) Assisting online examination software development activities
f) Assisting our college office automation activities

36. Give details of "beyond syllabus scholarly activities" of the department.

- Software training programmes
- soft skills training programmes
- Students meet
- Aptitude improvement programme Training
- Industry Readiness Training Programme
- Industry – Institution – Interactions
- Industry visits
- **Know the latest** programmes

S. No.	Programme Type	Topic	Date	Resource Person
1	Workshop	Personality Development	25/08/2009	Vazhga valamudan Society, Pollachi
2	Training Programme	Soft Skill	26/09/2009	ZEN world wide Training, Chennai
3	Training Programme	Soft Skill	10/10/2009	ZEN world wide Training, Chennai
4	Workshop	Personality Development	31/12/2009	i). S. Sudhir - ZEN ii). K. Sankaranarayanan , Trichy, Soft Skills
5	Training Programme	Soft Skills	08/01/2010	S. Sudhir - ZEN world wide Training, Chennai
6	Industry-Institution - Interaction	Software Engineering Methods	26/02/2010	Chandrasekara Bharathi, Mahindra Satyam, Chennai
7	Workshop	Software Quality	13/03/2010, 15/03/2010	i). M. Balasubramaniyan
		Communication Skills	17/03/2010	ii). Dr. Pillai, Rtd. Prof. of Bharathidasan University
8	Training Programme	TANCET & Soft Skills	25/03/2010	S. Sudhir - ZEN world wide Training, Chennai

S. No.	Programme Type	Topic	Date	Resource Person
9	Workshop	Business Understanding	05/04/2010 & 06/04/2010	S. Sudhir - ZEN world wide Training, Chennai
10	Training Programme	Personality Development	28/07/2010	R. Kulothungan, Trainer
11	Workshop	Soft Skills	13/09/2011 to 16/09/2011	S. Sudhir - ZEN world wide Training, Chennai
12	Training Programme	Industry Readiness Skills	02/07/11, 03/07/11 16/07/11, 17/07/11, 24/09/11& 25/09/11	Mr. Sri Ganesh, Director-Human Resources, Logic Software Ltd, Chennai.
13	Training Programme	Inter Personnel skills and Business Understanding	13/09/2011	Mr. S. Sudhir, Chief Trainer, ZEN world wide Training, Chennai
14	Workshop	Business Understanding	04/10/2012 & 05/10/2012	Mr. S. Sudhir, Chief Trainer, Zen ZEN world wide Training, Chennai

37. State whether the programme/ department is accredited/ graded by other agencies. Give details : Nil

38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department
Strengths:
  i.   Technology based programmes in Aided section.
  ii.   One of the few **Research Recognized Centres** of Bharathidasan University, Trichirappalli
  iii. High demand
  iv.   Experienced faculties with specializations in rare and latest areas.
  v.   Wide opportunities for students' progression from other disciplines of U.G to P.G in Comp. Applications and Information Technology.

Weaknesses:
  i.   External distortions in getting effective wireless internet access.
  ii.   Mobility of staff members to software companies as most of the programmes come under self-support schemes.

   iii.   Non availability of enough Research Supervisors to guide Ph.D. scholars.

   iv.   Lack of industrial exposure for internal faculty members.

   v.   Less employment opportunities in Government sectors

Opportunities:

   i.   Providing higher education in Computer Science mostly to rural students

   ii.   To teach Science, Technology and Applications under the same wing.

   iii.   To provide employment opportunities both in Research, Development and Software Industries.

   iv.   To suggest and implement technological innovations in the college campus.

   v.   To implement technology based teaching and evaluation strategies.

Challenges:

   i.   Bringing more companies for on campus recruitment (being rural in nature)

   ii.   Adopting the rapid changes in Technology.

   iii.   Establishing infrastructure based on fast changing technologies.

   iv.   Transforming rural students fit for getting global placement in software industries.

   v.   Making rural students to undergo effective research activities.

39. Future plans of the department.

   ∗   Industry Collaborations with IBM for Project development

   ∗   Research and Development collaborations outside India

   ∗   Providing Cloud Computing based administration.

   ∗   Providing complete ontology based education.

   ∗   Complete visualized technology based teaching

   ∗   Complete online based evaluation

   ∗   Proposed to offer B.C.A. Programme with specialization in Bio Informatics

<div align="center">********</div>

Achievements of the Department

➢ Developed as a full-fledged department with B.Sc (Computer Science), BCA, M.Sc (Computer Science), M.Sc. (I.T), MCA, PGDCA, M.Phil and Ph.D programmes.

➢ The staff members have National and International level recognition in research activities like publications, International conference participation in foreign countries and referees for journals.

➢ Received UGC financial support for **major & minor** research projects and workshop conduct.

➢ Apply technological innovations in teaching and evaluation.

➢ Organized off campus interviews by MNC Companies.

➢ Signed for industrial collaborations for **industry-readiness programmes**.

➢ Signed for **soft skill training collaborations**.

➢ **National** level recognition **for educational award**.

*****