

UNIQUENESS OF THE DEPARTMENT

Faculty

- The Department of Computer Science (Aided) has humble, diligent, innovative, resourceful, and responsive team of faculties.
- All the faculty members have undergone UGC sponsored career orientation programs and academic Refresher courses from reputed Universities.
- **The only Computer Science Department among Arts and Science Colleges in Tamilnadu which has a 5 Faculty Member Sanctioned Strength (Strength Sanctioned by Govt. of Tamilnadu for UG dept), out of which most of them have more than 30 years of experience.**
- All the faculty members periodically attend and organize various Technical oriented Faculty development Programs organized through leading institutions.

Autonomous Status

- Enriched Syllabus is designed on par with the Industry requirements and standards.
- Expertise comments from university nominee, subject experts, alumni and industrial experts are considered for syllabus revamping.
- Autonomy has provided ample opportunities to Introduce technological innovations
- Novel Teaching methods are introduced.
- Results are published in time.
- Qualitative Assessment of Students through e-assignments and class works.

Academics

- ABC Analysis facets the varied potential levels of the students. Based on it, **Micro level Remedial Measures**** are organized.
- The students are clustered into different teams to attain high distinction and team spirit.
- Students are exposed to the HRD requirements of the industry and train them accordingly.
- Apart from the curriculum, special diploma course on Soft Skills are imparted to the students for better placements.

- Hardware training program is provided to the students by MAZENET technologies as per the MOU signed by the management.
- Ethical Hacking course is provided to the students by Ethical Hacking Council as per the MOU signed by the management.
- Specialized individual project assistance by experts is given to the students to enhance the project involvement and participation of the students.
- Frequent Industry visits are organized to gain exposure to actual working conditions and industry practices.
- Quiz, online examination, debate, Group discussions and puzzles are conducted periodically to cultivate sportive spirit and gain confidence among students.
- Parent Teachers meetings are conducted at regular intervals.

**** Microlevel Remedial Measures**

- **Class test**
- **Study hour monitoring using Timecard**
- **Personal Motivation**
- **Sharing living experience**
- **Online Test, debate, Group Discussion, Quiz**
- **Participating workshop program to increase self-confidential level & willpower of varied potential students**

Students Strength

	Sanctioned strength	III year (2016-2019)		II year (2017-2020)		I year (2018-2021)	
		Boys 28	Girls 27	Boys 13	Girls 45	Boys 15	Girls 42
BSc Computer Science	55+5 (addl)	55		58		57	
Percentage of Strength filled	100%	100%		100%		100%	

	Sanctioned strength	Part Time	Full Time	Total	Percentage of strength filled
Ph.D. (PT/FT)	24	12	12	24	100%
M.Phil. (PT/FT)	30	12	11	22	73.3%

Industrial Visits

- Frequent Industrial Visits are conducted to II and III year students to create industry awareness and acquaint industry needs.
- 2013-2014 batch of students were taken to Tech mahendra, Hyderabad on 3.1.2014.
- 2014-2015 batch of students were taken to Wipro, Bangalore on 7.3.2015
- 2016-2017 batch of students were taken to Infosys, Mysore campus on 15.02.2017.

Research and Development

- The UG Department of Computer Science is upgraded into a Research Department to offer M.Phil and PhD programs from July 2009.
- Both Full Time and Part Time research programs are offered.
- The department has to its credit funded research projects from UGC.
- Approval for Research Projects from other funding agencies to the tune of Rs. 1.92 Crores are awaited
- The Department has an exclusive Research Lab to facilitate the needs of the M.Phil and PhD Computer Science scholars (Full time and Part time).
- An Exclusive Common Research Centre is maintained by the Research Department of Computer Science.
- **Preference given to the NGM College Teachers to pursue PhD research, which will enrich the strength of the IT cluster in the campus.**

Ongoing UGC funded Research Projects

UGC has funded Rs.11,23,300/- towards (Individual) Major Research project to Dr.Antony Selvadoss Thanamani and the research project has started functioning from 1.2.2011 onwards.

Title of the Project : “Energy conservation through infrastructure mediated sensing in a pervasive computing environment”

Duration of the Project : 1.2.2011 to 31.1.2016

Funded Research projects [awaiting approval]

S.No.	Funding Agency	PROJECT ESTIMATED COST
1.	DRDO – Ministry of Defence	Rs.63,76,500
2.	UGC MRP-MAJOR-COMP-68780	Rs. 15, 26, 610
3.	Nanomission – Ministry of Science and Technology	Rs. 49,34,400
4.	DST – Ministry of Science and Technology	Rs. 36,10,100
5.	e-RTA- National Informatics Centre, Ministry of Information Technology	Rs. 15,15,900
6.	UGC - MRP-MAJOR-COMP-69456	Rs. 11, 99, 905
	T O T A L	Rs. 1,91, 63, 415

(Approval for Research Projects from funding agencies to the tune of Rs. 1.92 Crores are awaited)

Research activities of the department**MPhil/PhD Programme**

	Bharathiar University	Bharathi-dasan Univ.	Periyar Univ.	M.S. Univ.	Mother Theresa Univ.	Dravidian Univ.	Vinayaka univ.	Lalit Naryana	TOTAL
M.Phil awarded	102	14	6	12	11	2	1		148
M.Phil ongoing	22								22
PhD awarded	16			4	6	7	3	3	39
PhD Ongoing	24								24

Total Research Scholars from various Universities

M.Phil - 170

Ph.D. - 63

TOTAL - 193

Faculty Credentials [Till December 2018]

• Articles in National and International Conferences [2009-2018]	– 189
• Articles published in National and International Journals [2009 – 2018]	- 334
• Books Published with ISBN [2009-2018]	- 36
• Books to be published and awaiting ISBN [December 2018]	- 3
• Seminars, Conferences, Faculty training Programs attended [2009-18]	- 121
• Membership in other Academic bodies	- 52
• Ongoing Research Project (UGC)	- 1
• Research projects awaiting approval	- 6

Members of Faculty in Academic Bodies

1. Chairman, UG Board of Examiners, Bharathiar University, Coimbatore.
2. Chairman, PG Board of Examiners, Bharathiar University, Coimbatore.
3. Chairman, PG Board of Question Paper setters, Bharathidasan University, Trichy
4. Chairman, PG Board of Question Paper Setters, Kanur University, Kerala.
5. Chairman, PG Board of Question Paper setters, Periyar University
6. Chairman, UG Board of Question Paper Setters, Bharathidasan University
7. Chairman, UG Board of Studies, NGM College, Pollachi
8. Chairman, UG Board of Examiners, NGM College, Pollachi
9. Member, Board of PG examiner and QP Setter, Alagappa University
10. Member, Board of PG examiner, Avinashilingam Deemed University
11. Member, Board of Question paper setter, TNPSC, Tamilnadu
12. Member, Board of SLET QP setter, (Karnatak University). Karnataka.
13. Member, Board of Studies, Bharathiar University.
14. Member, Board of Studies, P.S.G. College of Arts and Science, Coimbatore
15. Member, Board of Studies (UG&PG), Sree Saraswathi Thyagaraja College, Pollachi
16. University Nominee, Board of Studies, CMS College of Science and Commerce, Coimbatore.
17. Member, PG Board of Examiners, Madras University
18. Member, PG Board of Examiners, Pondicherry University
19. Member, Research Board, Bharathidasan University.
20. PhD Guide and Supervisor, Bharathiar University, Tamilnadu
21. PhD Guide and Supervisor, Dravidian University, Andhra Pradesh.
22. PhD Guide and Supervisor, Manonmaniam Sundaranar University, Tamilnadu
23. PhD Guide and Supervisor, Mother Theresa University, Tamilnadu
24. PhD Guide and Supervisor, Vinayaka Mission University, Tamilnadu
25. M.Phil. Guide and Supervisor, Dravidian University, Andhra Pradesh.
26. M.Phil. Guide and Supervisor, Manonmaniam Sundaranar University, Tamilnadu
27. M.Phil. Guide and Supervisor, Mother Theresa University, Tamilnadu
28. M.Phil. Guide and Supervisor, Vinayaka Mission University, Tamilnadu
29. M.Phil. Guide and Supervisor, Periyar University, Tamilnadu
30. M.Phil. Guide and Supervisor, Bharathidasan University, Tamilnadu
31. M.Phil. Guide and Supervisor, Bharathiar University, Tamilnadu
32. Reviewer, International Journal on Doctoral Studies
33. Reviewer, International Journal on Informing Science
34. Reviewer, International Journal on Knowledge and learning objects

35. Member, Computer Society of India, Coimbatore Chapter
36. Member, Indian Society for Technical Education, New Delhi
37. Senior Member, International Association of Computer Science and Information Technology, Singapore.
38. Member, Computer Science Teachers Association, New York, USA.

Extra curricular Activities

Computer Science Students Association “TECHNOCIATES”

- Under TECHNOCIATES the students are encouraged to organize and conduct various activities like Guest Lectures, Seminars, Workshops, Group Discussions, Quiz, Mock Interview, soft skill training etc.
- Inter department activities for Non-Computer Science students like Quiz, Group discussions, Mock Interview were conducted on 12.1.2009 and the overall champion was awarded to BCom III year.
- Online exams were conducted on 16.2.2009 for Computer science students and certificates were awarded.
- Hardware and Networking training were provided to the final year students of 2007-2010 batch by CISCO.
- Soft skill training program was conducted to computer Science Students by ADROIT TECHNOLOGIES, Bangalore on 28.1.2010.
- Online Dot Net Project orientation program was conducted by Apollo Computers during 1.2.2010 to 31.3.2010 for final year students (6 weeks Program – timings 3 to 4 pm everyday)
- Online PHP Project orientation Program is at present conducted by Apollo Computers from 28.1.2011 to 31.3.2011 for final year students (6 weeks program – timings 3 to 4, weekly thrice)
- After college hours Aptitude, GD and soft skill training are conducted for all the students.
- Coaching classes for I year and II year students are conducted during 3.00 to 4.00 pm daily by Research Scholars under Student teach student program.
- As per the advice of our Chairman, students are asked to take up part-time jobs to improve their economical responsibility and social values.

- Enhanced Curricular aspects
- Modern Teaching-Learning and Evaluation process
- Research, Consultancy and Extension
- Infrastructure and Learning Resources
- Healthy Practices
- Extension activities
- Placement
- Sports and Games
- Spending more time with students for personnel interaction during lunch break intervals.

COMMUNICATION SKILLS

- ❖ The department offers a six-students-per-class system for English communication skills development. In this way, students can engage in intimate, spirited discussions.
- ❖ Second year onwards the department groups the class into micro-level clusters (approximately ten students) to impart individual attention to the students.

OPPORTUNITIES FOR PRACTICAL LEARNING:

- ❖ The department arranges Group Discussions and everybody has to stand and talk on certain topic for 5-10 minutes.
- ❖ Also the department asks the students to read English dictionary and try to increase their vocabulary.
- ❖ The students are asked to see TV news in English. The students are asked to read English news paper daily. For that students are subscribing The Hindu Newspaper for the past Three years to improve their communication skills.
- ❖ In the newspaper the students are asked to read column such as “Letter to Editor” or “Readers mail” and know your English” column to learn about the idioms and phrases, appropriate meaning, origin and pronunciation for new words and how to use those words in our context.

- ❖ Effective communication skill means not only speaking in English with good accent or any other thing but also the way we are conveying the message with others. For that students are asked to talk in English with their classmates during their leisure hours.
- ❖ In every classroom students are keeping at least one good dictionary with them while reading the newspaper.
- ❖ The students are asked to watch English movies in TVs and in theatres. The department offers soft skills development programmes very often for the students to face the campus interviews without any fear.