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XAVIER BOARD OF HIGHER EDUCATION IN INDIA

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ACADEMIC AUDIT REPORT OF THE

DEPARTMENT OF COMPUTER SCIENCE

SACRED HEART COLLEGE (AUTONOMOUS), THEVARA, KOCHI

The Academic Audit of SACRED HEART COLLEGE (AUTONOMOUS), THEVARA, KOCHI was conducted from 19th to 21st December, 2018. The team comprised:

- **Dr. Sr. Annamma Philip**, FMM, Secretary General, Xavier Board of Higher Education in India, (XBHEI), Bangalore and former Principal, Stella Maris College (Autonomous), Chennai,
- **Dr. Fr. Joseph Xavier SJ**, former Principal, Loyola College (Autonomous), Chennai and former President, XBHEI,
- **Dr. D. Jeevan Kumar**, former Prof. of Political Science, University of Bangalore and currently Hon. Professor at Karnataka State Rural Development and Panchayat Raj University, Gadag, Karnataka
- **Dr. Ms. Ordetta Mendoza**, Member, XBHEI and former Head, Dept. of Bioinformatics, Stella Maris College (Autonomous), Chennai, and Co-ordinator, Xavier Board-Administrative & Academic Audit (XB-AA Audit).

Prior to the visit, the department completed and submitted the Audit Manual developed and deployed by Xavier Board of Higher Education in India.

Dr. Ms. Ordetta Mendoza, visited the Department of Computer Science on December 20, 2018 and interacted with the Head of Department and faculty. Earlier, Ms. Regitha Baiju, the HoD made a presentation, which was followed by an interaction.

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About the department:


The department was started in 2001 and offers two Undergraduate programmes (i) B.Sc. Computer Application and (ii) Bachelor of Computer Application with specialization in Mobile Application and Cloud Technology from 2016.

Commendations

- The curriculum of the department is in keeping with the vision and mission of the college and has relevance to the latest local, national and global needs.
- The department has integrated cross cutting issues relevant to gender, environment and sustainability, human values and professional ethics into the curriculum,
- Feedback is taken from faculty and students while designing the curriculum for the department.
- Study trips, field visits and industrial visits have been organized for the students to hone their learning competencies.
- Students complete a 21-days internship as part of the teaching –learning process.
- The demand ratio of no. of seats to applications received ranges from 1:7 to 1: 10 in the last 3 years.
- Some of the faculty members hold PG engineering degrees.
- All faculty members prepare a teaching plan and this is made known to the students at the beginning of the academic year.
- Learner-centric methods which include experiential, participative and problem solving methods are employed by the department.
- Faculty use ICT in the teaching –learning and also show motivational videos to encourage students and inculcate in them values. Students are also given time to talk on any general topic to remove any stage fear and build confidence.
- Students to full time teacher ratio is approximately 13:1.
- Sufficient and good infrastructure especially with respect to computers and servers.
- Advanced and Slow learners are engaged in remedial teaching programmes.


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- Bridge course for all first year students in computers, statistics and mathematics.
- Class Tests, surprise tests, viva, seminars, quiz and assignments, remedial classes as well as External and Internal examinations are used to measure student learning outcomes.
- The department offers a course on Internet Web Designing and Cyber Laws as an open course for students of other departments.
- Students of the department also take courses from other departments (in Economics and English for careers) as part of the curriculum.
- Economically weak students are given financial assistance.
- A few faculty members have taken efforts to publish articles and participate in conferences and seminars. Seminars are also organized for students in the department on various relevant topics as part of the student enrichment programme.
- The department encourages students' participation in programmes in other institutions at the state and national level.

Recommendations:

- The department has to rewrite the Programme outcomes, programme specific outcomes and course outcomes. The same to be uploaded on the college website.
- Attainment of course outcomes to be evaluated and communicated to stakeholders.
- Offer more value-added courses which impart transferable skills in the next curriculum / syllabus revision.
- Feedback on current curriculum must be taken from all stakeholders to help design and develop the curriculum during the next revision.
- More seminars and lectures in recent trends in Computer science to be organized for students.
- Library resources may be increased both in the central library as well as department library.
- Faculty maybe encouraged to scale up their qualifications and pursue Ph.D.



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- The department may make efforts to increase student diversity and student strength especially in the BCA programme.
- Efforts must be made to increase the pass percentage.
- Encourage students to pursue higher degrees and also take up competitive examinations at the state and national level.
- Efforts may be made to increase consultancy and obtain funding for research.
- Teachers from other states may be recruited.
- More collaboration with other institutions and academe-industry linkage may be pursued.
- Student Outreach Programmes may be given more importance.
- Alumni engagement to be given more attention.

Date: 12/02/2019


Place: Bangalore




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