Heber Info Tech

PG Department of
Information Technology

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Field and Industrial Visits

Exposure is provided to the students by arranging trips to reputed IT industries and Technology Parks. This enables the students in getting the glimpse of the structural setup, nature of work and the environment of software companies, where most of them will be placed.

Information Technology Association

In addition to the academic learning, the IT Association provides ample opportunities for the students to develop their leadership qualities, communication skills and technical knowledge through various technical and non-technical forums, seminars, workshops and aptitude tests. Members of the Association also participate in the community development programmes of the college by imparting computer education to students in rural schools in and around Tiruchirappalli.

FESTOHIT

Intercollegiate Technical Symposium Intercollegiate technical symposium known as "FESTOHIT is conducted to enhance the technical competence, leadership abilities and organizing skills of the students. Events conducted in this symposium include Paper presentation, Quiz, Marketing, Debugging. Web Designing. Software Development and Multimedia Presentation. Students from various institutions across the state participate in this technical meet and compete for the FESTOHIT TROPHY
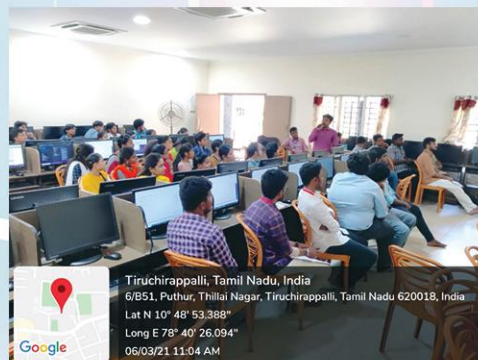
Department Magazine

"it@bhc" is the magazine released by the Department of Information Technology in Bishop Heber College. The magazine carries IT related articles on current topics, cross buzz, quotes, poems, technical tips, contributed by the students and staff of the department. The magazine also contains information on various departmental activities.

IT Alumni

The IT Alumni of Bishop Heber College can be located all around the globe. Our Alumni are well placed in various capacities such as

- Software Developers/Testers
- Web Content Designers / Developers
- Multimedia Designers / Developers
- Network / Database Administrators
- Mobile Application Developers
- Information Specialists/Managers
- Cyber Security Experts
- Trainers in reputed IT companies

PG Department of
Information Technology

WE MAKE
IT
HAPPEN

VISION OF THE DEPARTMENT

The Department aims to produce globally competent and value oriented Information Technology Professionals equipped with quality education to meet the needs of the digital era and to serve the society at large.

MISSION OF THE DEPARTMENT

The Department provides effective teaching and training in a conducive learning environment with relevant curriculum and state-of-the-art infrastructure to meet the needs of IT Sector and for the betterment of humanity.

PROGRAMS OFFERED AND SCOPE

Program	Design	Scope
B.Voc. IT	3 Years with minimum 180 credits	Students would acquire knowledge and skillset to work in IT companies and pursue higher studies or become an Entrepreneur
M.Sc. IT	2 Years with minimum 90 credits	Students would acquire advanced knowledge and skills in various fields of IT. They can aim jobs in IT Companies, also opt for Teaching and Research oriented professionalsor become an Entrepreneur.

OPPORTUNITIES

Applications Engineer / Developer | Computer Programmer | Data Scientist IT Coordinator | Network Engineer | Quality Assurance Tester Software Engineer | Web Administrator | User Experience Designer Systems Analyst | Database Administrator | Full-Stack Developer Development Operations Engineer

ACHIEVEMENTS

7 Patents Filed
5 MoUs Signed
8 University Toppers

AWARDS AND RECOGNITIONS SECURED BY THE DEPARTMENT

Three STAR DEPARTMENT (2 Consecutive Years)

Lab with ICT facility

PROGRAMS LEADING TO NEXT LEVEL/FUTURE PLANS EDUCATION

M. Sc. IT | M. Voc | MCA | MBA | MSW

RESEARCH OUTPUTS

Journal Publications	- 42
Highest Citation index	- 18
Highest h-index	- 5
Papers presented in Conferences	- 74
Chapter contribution in books	- 2
International Conference Organized	- 1
Conference Proceedings	- 1
Best Paper/Poster Awards	- 3

STAFF PROFILE

No. of Qualified Teachers : 7/8 (87.5%)
No. of Teachers with PhD : 5/8 (62.5%)
No. of Teachers with NET/SET : 5/8

THRUST AREAS OF RESEARCH

Internet of Things
Artificial Intelligence and Machine Learning
Robotics
Communication Networks
Information Security
Data Science and Analytics
Cloud Computing
Human-Computer Interaction
Information Visualization
Blockchain and Decentralized Systems
Big Data analytics
High Performance Computing

Infrastructure

The department is equipped with ICT enabled class rooms, well-furnished computer laboratories for programming, Computer Hardware / Networking and IoT . Department library holds books required for acquiring domain related knowledge in addition to the collections available in the college main library. The Internet Lab with leased line connection and Wi-Fi facility provides access to information available on the web. The A/C Seminar Hall with excellent seating arrangements and LCD projector facilities is fully put to use by the department.

Be a Part of IT

Information revolution is transforming the face of the earth with unimaginable realities. The merger of the computer and communication systems play a vital role in developing the 'Knowledge Society' of today. Information Technology is all about collection, classification, storage, retrieval, processing and dissemination of information irrespective of time and space. Information Technology programmes had its inception in Bishop Heber College in the year 2000. For the past twenty three years the department has set a good record of bagging university ranks and placing many students in reputed IT companies.

Programmes of Study

M. Sc. Information Technology (90 Credits) Students having any U.G. degree with Mathematics at the +2 level or as major or allied course in UG programme are admitted in this two year PG programme. Curriculum includes theory and practical on core areas of Information Technology such as Data Structures and Algorithms, Object Oriented Programming and Modeling, Communication Networks, Database Management, Advanced Operating Systems and Multimedia Systems. In addition, it also incorporates recent developments such as Web Technology, Mobile and Cloud Computing Technologies, Information and Network Security, Internet of Things, Data Mining Techniques and programming technologies as XML, J2EE and .NET. The project work in the final year provides industrial experience in software development.

B.Voc. Information Technology (180 Credits) Students who have completed +2 are admitted in this three-year UG programme. Curriculum includes General and Skill components on core areas of Information Technology such as Data Structures, Algorithms, Programming languages such as C, C++, JAVA, C#, Python etc. Computer Networks, RDBMS and Operating Systems. In addition, they also learn recent technologies such as Web Technology, Mobile Technology, Network Security, Internet of Things and programming technologies such as XML, J2EE and .NET. The training programmes by industrial experts and the project work done during every semester provides hands-on experience in Application Development

HIGHLIGHTS