BON SECOURS COLLEGE FOR WOMEN
Nationally Accredited with 'A' Grade by NAAC
UGC Recognized 2(f) & 12(B) Institution
Vilar Bypass, Thanjavur

NOVEMBER 2017

DEPARTMENT OF COMPUTER APPLICATIONS

The Department of Computer Applications has been functioning in the college since 2004. We started department Association in the name of **BIOS (B**onsecours **I**ntegrated **O**perating **S**ystem**)** in the college since 2004. It also contributes to the IT fields by conducting seminar and workshop most frequently. At present we have strength of 347 students. We have a good team of faculty members dedicated to the cause of higher education.

STUDENT INDUCTION PROGRAMME

- The Department of Computer Applications hosted the Student Induction Programme for I year students on 22nd June & 23rd June 2017. In this programme, we could be identified the area of Strength and Weakness of the students by conducting different modules. On 24.06.2017 we have conducted the entry level test; through that test we could be known the level of student's knowledge.

STUDENT ENRICHMENT PROGRAMME

- On 26.07.2017, our department conducted student enrichment programme on **"Multimedia and its applications"** in order to promote the student learning process.

WORKSHOP

- Our department organized one day Workshop on "**R Programming**" on 17.08.2017. The Resource person Mr. L. Stephen, HR Manager, HARI Infotech, Thanjavur, has conducted the session. In this workshop, 115 final year students were attended and benefited.

RENOVA'18- INTERNATIONAL LEVEL TECHNICAL SYMPOSIUM

- On 20th September, Computer Applications department organized 1st **International Level Technical Symposium-RENOVA'18**. Mr. Antony Thainees Raj, Senior Manager, Shell, UK was the chief guest. 440 participants from 29 colleges participated in it. The Overall championship was bagged by St. Joseph's College, Trichy.

GUEST LECTURES

- Lecture on **"Internet of Things"** for final year Students was conducted by Mr. K. Muthuramalingam, Assistant Professor, Department of Computer Science & Engineering and Applications, Bharathidasan University, Trichy on 28.06.17.
- Lecture for final year students was held on 22nd August, 2017. The topic was **"Front end Technologies".** The resource person Mr. M. Ramesh, Head of CS, Enathi Rajappa Arts and Science College, Pattukkottai, has engaged the session. Totally, 111 final year students were attended.

- Lecture for final year students was held on 12th March, 2018. The topic was **Kincet Sensor**. Dr. Karthik Anandhababu, Director, Chanakkiya Academy, Thanjavur delivered the lecture.

CAREER GUIDANCE PROGRAMME

- The Department of Computer Applications and Microsoft Certiport jointly organized **Career Guidance Programme on** "**Full Stack Development**", dated on 31.08.2017. The Resource persons were Mr. B. Thangapandian, CEO-Certify^{TN}, Certiport, Microsoft Training Division, India and Mr. S. Robort, Business Head, MACS Academy, Chennai. Totally 115 students participated from our department.
- **Soft skill training on leadership skills and decision making** was held on 15.11.2017. The Resource persons Ms. C. Jayachristina, MCS, PGDCA, Proprietor of Golden Net Computers, Tiruchirappalli, has engaged the session. Hundred and sixteen students of our department students Participated in this workshop.

FACULTY DEVELOPMENT PROGRAMME

- The department was organized one day Faculty Development Programme on **Desktop Publishing Software** on 28.07.2017. In this FDP, 32 participants took part which included the Faculties and Research Scholars of various institutions
- **Microsoft Training Programme** was conducted to all the faculty members of our college. The resource person was Mr. C. Muthukumaran, Trainer, Microsoft Academy, Bangalore on 22.11.2017.
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EXTENSION ACTIVITY

- Computer Literacy programme Level – III was conducted under the topic "**Introduction to Programming Language C" "** to Orphanage Students, Mother Teresa Anbu Illam, Madhakottai, Thanjavur from 09.10.2017 to 26.10.2017. Ms. D. Saritha and Ms. V. Santhi, Assistant Professors of CA have engaged the sessions.

ADD-ON/CERTIFICATE COURSES

- Introduced a value added course as Adobe InDesign for other department students and an add-on course as Unix Shell Scripting for our students.
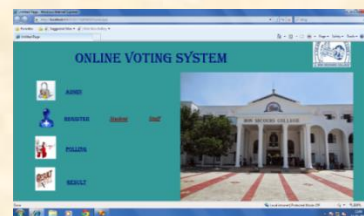
MOUs SIGNED
- Signed MOU between Department of Computer Applications, Bon Secours College for Women and **Hari Infotech, Thanjavur** on 21.06.2017.
- Dr. Sr. Victoriya, Principal, Bon Secours College for Women, Thanjavur and MACS Academy Director Mr. B.Thangapandiyan signed MOU with **Microsoft Corporation** on 27.09.2017.
- Signed MOU between Department of Computer Applications, Bon Secours College for Women and **Golden Net Computers, Trichy** on 18.08.2017.

TECH SAVY FOSTER

- New version of **Bon Secours Voting System** was developed.

RESULTS & RANK HOLDERS:

- 100 % of Result produced this year**.**
- Secured one University Rank.

Ms. K. Keerthana
20th Rank

STUDENT ACHIEVEMENTS

- Ms. A. Sumaiya Banu & Ms. J. Gowthami of our students has secured **2nd & 4th Prize** in **Tamil Mandra Thervu** and won Cash Awards on 21.07.2017.

- Many of our Students has participated and won many prizes in **BONFEST'17** and got **Overall Championship** in **Fine Arts** on 27th and 28th July 2017.

- Ms. D. Dheepalakshmi of II-BCA'A' participated and won **Second Prize** in collage event and Ms. R. Priyanka of I-BCA'B' got **Third Prize** in Clay Modeling and **Fifth Prize** in Cartooning event in **BDU FEST'17** at Bharathidasan University, Trichy.

STAFF ACHIEVEMENTS

- Ms. M. Florence Dayana, Head of CA, has acted as resource person for **Lecture on Bigdata,** organized by Department of Computer Applications, Marudupandiyar College, Thanjavur, held on 14.09.2017.
- Ms. R. Gomathi Jayam, Asst. Prof. of CA, has delivered a **Special lecture on Wireless Networks,** organized by Department of Computer Applications, Enathi Rajappa Arts and Science College, Pattukkottai, held on 18.11.2017.
- Ms. M. Jancypriya, Asst. Prof. of CA, was appointed as syllabus setter for the diploma course **Object Oriented Programming in C++**, offered by VeeEee Technologies Solutions Pvt. Ltd., Chennai.

FDP & WORKSHOP ATTENDED BY STAFF MEMBERS

- Ms. M. Jancy Priya, Ms. V.Santhi, Ms. S. Manimozhi, Ms. R. Sathya, Ms. D. Saritha, Ms. P. Nivetha, Ms. K. Saranya, and Ms. K. Sumathi, Assistant Professors of CA were attended a Faculty Development Programme on **Teachers for Generation Z**, organized by Bon Secours College for Women, Thanjavur on 06.06.2017.
- Ms. M. Florence Dayana , Head of CA, has attended international workshop on **World Class Curriculum Design for Computer Science** organized by School of Computer Science, Engineering and Computer Applications, BUTP, Trichy, held on 28.7.2017.
- Ms. R. Gomathi Jayam, Asst. Prof. of CA, has attended one day International Workshop on **World Class Curriculum Design for Computer Science** sponsored by Department of Higher Education, Govt. of Tamil Nadu organized by Department of Computer Science and Engineering and Council for College and Curriculum Development, Bharathidasan University, Tiruchirappalli, held on 15.11.2017.

MARCH 2018

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WORKSHOPS

- One day workshop on "**LINUX / UNIX"** was held on 13.02.2018. Ms. S. Padmavathy, Assistant Professor, Dept. of Computer Applications, Maruthu Pandiyar Group of Institutions, Thanjavur was the resource person. In this Workshop, 113 final year students were participated.
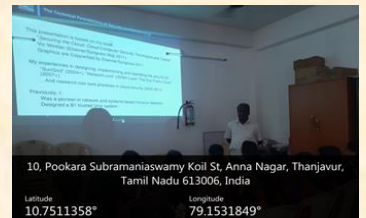

GUEST LECTURES

- Lecture for final year students was held on 12th March, 2018. The topic was **"Kincet Sensor"**. Dr. Karthik Anandhababu, Director, Chanakkiya Academy, Thanjavur delivered the lecture.

ENDOWMENT LECTURE

- BIOS CA endowment lecture on **"Network Security"** was organized on 13.03.2018. Mr. C. Muruganandam, Assistant Professor, Department of Computer science, Rajah Serfoji College (Autonomous), Thanjavur was the resource person. Totally, 113 students of III BCA were attended and benefitted.

MICROSOFT OFFICE SPECIALIZATION COURSE

- **Microsoft Training Programme for Students** was conducted from 17.02.2018 to 26.2.2018. Totally, 431 students from various departments of our college were attended and got certificate.

INTERNSHIP PROGRAMME

- In order to promote the learning process and enhancing a practical skill of students, our department was arranged **Internship Programme** from 13.12.2017 to 12.01.2018. Totally 115 students of II BCA were attended and benefited. The following Industries were conducted:

- ✓ DNS and ISP, File Management in Operating System, Principles of OOP – **HARI Infotech, Thanjavur.**
- ✓ Boolean algebra, Cloud Services and Java Servlet – **NRP Technologies, Mannargudi.**
- ✓ Advanced OOP in PHP **– Step Infotech Technologies, Thanjavur.**
- ✓ Modelling transformation in 3D Effects – **Yoga's IT Solutions, Thanjavur.**
- ✓ Relational Languages – **Radar Technologies, Chennai.**

FIELD WORK

- The Department of Computer Applications arranged field visit to the course **Environmental Studies** as it mandatory to attain experimental learning in ecosystem. This field visit was done from **12.02.2018 to 28.02.2018**, in order to make the student learn about environment ecosystem. During this period, the students have visited at Kattukurichi village and Bon Secours College for Education, Herbal Garden, etc. Totally, 119 students of I BCA were attended and benefitted.

FACULTY DEVELOPMENT PROGRAMME

- One day **Faculty Development Programme on .NET framework** was held on 07.02.2018. Dr.S. J. Sathish Aaron Joseph, Head, Dept. of Computer Applications, J. J. College of Arts and Science (Autonomous), Pudukkottai, was the resource person. In this FDP, 51participants took part that included the Faculties and Research Scholars of various institutions.

EDUCATIONAL TOUR

- Student's tour was arranged from 31.01.2018 to 03.02.2018 to **Kerala** with 72 students and 3 staff members.
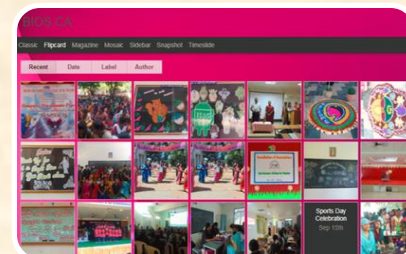
STUDENT ACHIEVEMENTS

- Ms. R. Sowmiya and Ms. M. Sandhiya of II-BCA'B' participated and got **First Prize** in Fireless Cooking event and Ms. R. Swathi and Ms. N. Surya Prabha of II BCA 'B' won **First Prize** in Connection Game participated in KRIYA 2KI8 under Graduate Student Meet organized by Department of Management Studies at Periyar Maniammai University, Vallam and won **Overall Championship** on 21.02.2018.

- BLOG, Web Designed like Certificate, Brochure and Flex created for other departments.

CAREER ACHIEVEMENTS

- Sixty seven students of our department got **PLACEMENT** from various companies. Fifty eight students got on campus placement and nine students got off campus placement for this academic year.

STAFF PUBLICATIONS

- Ms.M.Florence Dayana ,Head of CA, has published a paper entitled as **" An effective web ontology using web crawler systems to measures web similarities"**, IJET Journal with ISSN(P) NO -2319-8613, E-ISSN NO: 0975-4024.
- Ms.M.Florence Dayana, Head of CA, has published a Research Article on **"Implementation of web content extraction of structured data using .NET framework"** in the journal of IJCSE, with E-ISSN NO: 2347- 2693.
- Ms.M.Florence Dayana, Head of CA, has published a paper entitled as **"Fisherman Nautical Border Alert System"**, IJTSRD Journal with E-ISSN NO: 2456 - 6470.
- Ms.M.Florence Dayana, Head of our dept., has published a Research Article on "**Analysing and Improving Mining Quality of Contents from Net Pages**" in the proceedings of the IJARCSSE, with ISSN NO: 2277-128X, Vol.-8, Issue-1.
- Ms. M. Jancypriya and Ms. R. Sathya Asst. Professors of our department have published a paper on**, "Bit Coin Wallet transaction using peer-to-peer network"** in the proceedings of the IJSRST with E-ISSN NO: 2395-602X.
- Ms. R. Gomathi Jayam and Ms.V.Santhi, Asst. Professors of our department have published a paper on **"A survey on: Comparative study of minimum spanning tree algorithm"** in the proceedings of the IJCSE Journal with E-ISSN NO: 2347-2693, Vol.-5, Issue-12.

ACADEMIC PROFICIENCY

- Ms. M. Florence Dayana, Ms. R. Gomathi Jayam and Ms. K. Sumathi, Assistant Professors of our Department produced 100% result during the academic year 2017-2018.

RESEARCH ACHIEVEMENTS

- Student Project Proposal was sent on 21.08.2017 to TNSCST under the topic **Fishermen Nautical Border Alert System**. This Proposal was sanctioned by Tamil Nadu Government and an amount Rs.10, 000.00 was received.
- Research project proposal was sent on 20.08.2017 to HARI Infotech, Thanjavur under the topic **Bus Detection Device for the blind people using RFID.** This proposal was sanctioned by Hari Infotech, Thanjavur and an amount Rs. 10,000.00 was received.

CONCLUSION

The department is passionate in introducing and developing innovative learning methodologies and effective in teaching methods. It also focused on performance of the students and staff in other activities.