

# WMO Arts & Science College, Muttill

## Department of COMPUTER SCIENCE

### Annual Report 2018-19

The classes for III and V semester BCA programme started on 6<sup>th</sup> June 2019. I semester BCA programmes were officially started on 2<sup>nd</sup> July 2019.

#### Students Strength

PROGRAMME	YEAR	STUDENT STRENGTH		Total
		Male	Female	
BCA UG III Year	2016-17	16	18	34
BCA UG II Year	2017-18	10	15	25
BCA UG I Year	2018-19	16	16	32

## FACULTY:

Photo	Name	Designation	Qualification	Experience
	SUMA.N	Associate Professor & HOD	MCA	22 years
	RASHEED N.K	Asst. Professor	MSc (CS)	13 years
	Sangeetha Mary	Guest Faculty	M.Tech	5 years
	Sanila Satheesh	Guest Faculty	MCA	01 year
	Johnson A J	Guest Faculty	MCA	17 years
	Rajina P M	Guest Faculty	MCA	7 years
	Shamna K S	Guest Faculty	MCA	05 years
	Sharafudheen T	Lab Asst.	DCA	04 years

### Orientation / Refresher Course

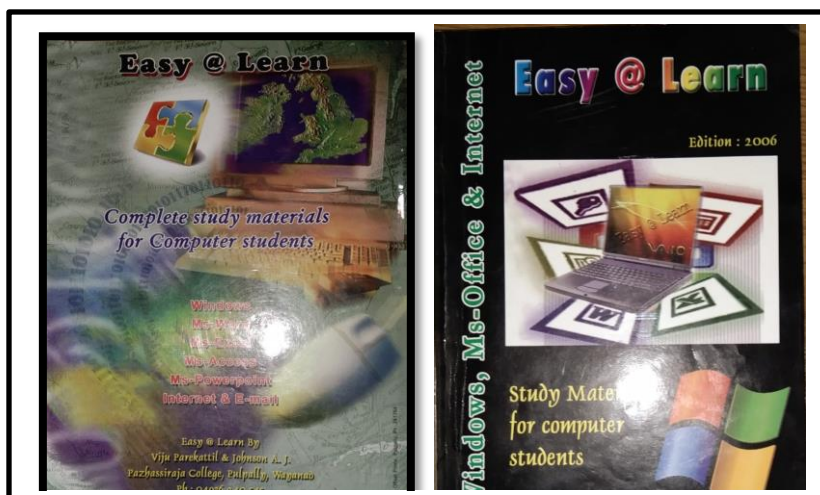
Sl. No	Name	Refresher/Orientation	Seminar/ Workshop/Conference
1.	Mr. Rasheed N K	Orientation course is conducted by ASC, University of Calicut, Calicut from Oct-Nov. 2018	

### Details of faculty possessing prominent academic positions

Name of Faculty	Position held
<b>Suma.N</b>	<b>1.Member, Interview board for the selection of system officer, District court, Kalpetta.</b> <b>2. Member , Board of Examination University of Calicut.</b> <b>3. Member, PG board of studies (Comp. Science) , University of Calicut</b> <b>4. Chairman, CMV Camp @ Wayanad, University of Calicut</b> <b>5. Subject expert, Course affiliation committee, University of Calicut</b> <b>6. Subject Expert, Faculty promotion committee, University of Calicut</b>
<b>Mr. Rasheed N K</b>	<b>1.Member, Interview board for the selection of system officer, District court, Kalpetta.</b> <b>2. Member , Interview board for the selection of computer teachers in all the institutions under WMO Management.</b> <b>3. System Analyst cum Advisor, WMO Muttill</b>

## Major Achievements of Faculties

Mr. Johnson A. J, published a Text book named " Easy@ Learn – OS, MS Office and Internet" included OS, MS- Office & Internet.



## Add - on Courses:

### Computer Hardware training Programme for BCA students

The computer science department can offer add-on courses to complement the core curriculum and provide students with additional knowledge and skills in specialized areas. These courses can help students gain a competitive edge in the job market and enhance their understanding of specific domains within computer science. Here are some add-on courses that a computer science department may consider offering:

- Department provided Hardware training programme for students of BCA who are interested in the technical side. Mr. Sharafudheen. T, Technical Asst. initiated the programme from 2016 onwards



## Certificate Courses

Computer science departments offer a variety of specialized certificate courses to students each year. These courses focus on specific areas of computer science and provide students with in-depth knowledge and skills in those domains. Here are the specialized certificate courses that a computer science department may offer:

CERTIFICATE COURSES 2018-19					
Sl No	Name of the Course	Date of Introduction	Duration (Hours)	No of students completed	Department
1	Certificate course in Hardware Assembling & Software Installation	10-12-2018	30	76	Computer Science

## Invited Talks / Seminars / Workshops

Conducting workshops, seminars, and inviting guest speakers to give talks are common activities organized by academic departments to enhance the learning and professional development of their students and faculty. These events provide opportunities for attendees to gain new insights, acquire knowledge, and engage in discussions related to their field of study or research. Here's an overview of each event:

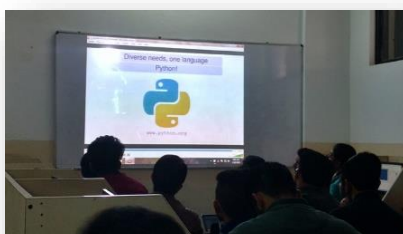
### 1. Title: Seminar on Python Programming

Presenter: Renjith CA

Organization: Software Solutions, Chennai, Date: 15<sup>th</sup> September 2018

Description: The department is pleased to announce a seminar on Python programming, featuring Renjith CA from Software Solutions in Chennai. Renjith CA is a seasoned professional with extensive experience in Python development and will share valuable insights into the world of Python programming.

During the seminar, Renjith CA will cover various aspects of Python, including its fundamentals, data structures, control flow, functions, modules, and more.



## 2. Title: Workshop on Mobile Application Development

Organization: Network Systems, Trivandrum

Date: 19<sup>th</sup> December 2018

Description: The department is delighted to announce a comprehensive workshop on Mobile Application Development and Network Systems. This workshop aims to equip participants with practical skills and knowledge in these rapidly evolving fields. The event will take place in Trivandrum, and we invite all interested individuals to join us for this valuable learning opportunity.



## 3. Title: Seminar on Cryptography

Presenter: Thomas Monoth, Asst. Professor, Mary Matha College, Mananthavady

Date: 24<sup>th</sup> January 2019

Description: The department is excited to announce a seminar on Cryptography, featuring Thomas Monoth as the distinguished speaker. Thomas Monoth is a renowned expert in the field of cryptography, and this seminar presents a valuable opportunity to learn from his vast knowledge and experience.

During the seminar, Thomas Monoth will cover various aspects of cryptography, including its foundations, encryption algorithms, digital signatures, key management, and cryptographic protocols. The session will also delve into topics such as secure communication, cryptographic applications, and the challenges faced in modern cryptography.





#### 4. Title: Tezla - IT Fest

Description: The department is thrilled to announce "Tezla," an exciting IT fest that brings together students from various colleges in Calicut and Kannur universities. Tezla is a platform for students to showcase their talents, engage in healthy competition, and foster a spirit of innovation in the field of information technology.

**Date: 25<sup>th</sup> January 2019**

#### Event Highlights:

1. Coding Competition:
  - A challenging coding contest where participants can demonstrate their programming skills and problem-solving abilities. Various coding languages and problem domains will be covered to test the participants' proficiency.
2. Gaming Tournament:
  - An intense gaming tournament featuring popular multiplayer games. Participants will compete against each other to demonstrate their gaming prowess and strategic thinking in a competitive environment.
3. IT Quiz:
  - A thrilling IT quiz designed to test participants' knowledge of computer science, information technology, and related fields. Questions will cover a wide range of topics, including programming languages, networking, cybersecurity, and emerging technologies.
4. Treasure Hunt:
  - An adventurous treasure hunt that combines IT skills, problem-solving, and teamwork. Participants will navigate through a series of clues and challenges, utilizing their technical knowledge to uncover hidden treasures.
5. Paper Presentations:
  - A platform for participants to present their research, innovative ideas, and projects related to information technology. It is an opportunity to showcase their expertise and contribute to the knowledge sharing within the IT community.



Date	Programme	Type
15.09.2018	Python Programming Renjith CA, Software solutions, Chennai	Seminar
19.12.2018,	Mobile Application Development– Network systems, Trivandrum.	Workshop
24.01.2019	Cryptography , Dr. Thomas Manoth , Asso. Prof. , Mary Matha College	Seminar
25.01.2019	TEZLA 2K19  Students from various colleges of Kannur and Calicut Universities were attended and participated in the Fest. Events were CODING, GAMING, IT QUIZ, TREASURE HUNT, PAPER PRESENTATION etc.	IT Fest

### **Other activities conducted in the Department: - Industrial Visit (IV)**

Conducting industrial visits or field trips is a common practice for computer science departments to provide practical exposure to students about the working environment. These visits allow students to observe real-world applications of computer science concepts and technologies in industries. Here's how a typical industrial visit program may be organized:



By organizing industrial visits, computer science departments aim to bridge the gap between theoretical knowledge and practical applications. These visits help students understand how concepts they learn in the classroom are applied in real-world scenarios, and they also provide networking opportunities and industry exposure. The specific industries or organizations visited can vary each year,



providing a diverse range of experiences for the students.

### **Entrance Coaching**

- Department offers MCA Entrance coaching for final year students. MCA (Master of Computer Applications) is a postgraduate program that focuses on computer application development and related areas. BCA (Bachelor of Computer Applications) student looking to pursue MCA, coaching for MCA entrance exams can be beneficial in helping you prepare effectively.
  - Problem solving techniques
  - Previous question paper discussion
  - Written Test
  - Mock test

### **Placement Cell**

Department constituted a separate placement cell, also known as a career services office or a placement office, is a department or unit within a college that assists students in finding suitable employment opportunities and internships. The primary goal of a placement cell is to bridge the gap between students and potential employers, facilitating the recruitment process and enhancing students' career prospects. Mr. Johnson A. J is the co-ordinator of the cell. Here are some key functions and goals of a placement cell in a college:

- Job Placement:
- Internship Programs:
- Career Counseling:
- Industry Interface:
- Skill Development:
- Campus Recruitment Drives:
- Alumni Network:
- Industry Collaborations:

Overall, the primary goal of a placement cell is to facilitate the transition of students from the academic environment to the professional world. They provide support, guidance, and resources to students, enabling them to make successful career choices and secure employment opportunities.

### **Bridge Courses**

Bridge courses for BCA (Bachelor of Computer Applications) students are designed to fill any knowledge gaps or provide additional training in specific subjects or skills that are relevant to their chosen field. These courses aim to bridge the transition from undergraduate to postgraduate studies

or enhance employability by providing supplementary knowledge.

- Every year department conducting bridge courses for the first-year students in the subject of Mathematics and Accountancy.
- The mathematics course is conducted for the students those who have studied their +2 in Commerce & Arts stream and the basic Accountancy course is for those who have studied their +2 in science stream.
- These programmes are conducted in association with Mathematics and Commerce Departments.



## **Extension Activities**

### **1. IT oriented training programme to the Govt. Employees:**

The extension activities of a department typically revolve around engaging with the community, industry, and society at large. These activities aim to extend the knowledge, expertise, and resources of the department beyond the classroom, benefiting both the students and the broader community. Here are some extension activities that a department can undertake:

- In association with 'AKSHAYA', Department of Computer Science conducted an IT oriented training programme to the Govt. Employees of various departments in Wayanad District.
- Hon. ADM. Sri Ajeesh inaugurated the programme.



## 2. IT-oriented training program for selected SC/ST students from the adopted village:

- Organizing an IT-oriented training program for selected SC/ST students from the adopted village "ADUVADI" colony near the college is an excellent initiative. Such programs can play a vital role in bridging the digital divide and providing equal opportunities for underprivileged students. Here are some potential benefits and activities that could be part of the training program:
- Basic Computer Skills: The training program can start with teaching basic computer skills to ensure that all participants have a foundational understanding of using computers, operating systems, and common software applications.
- Internet and Email Usage: Since internet access is a valuable resource, providing training on how to effectively use the internet for research, communication, and online learning can open up a world of knowledge and opportunities for the participants.
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Remember to assess the impact of the training program and gather feedback from the participants to continuously improve and make the program more effective in meeting the needs of the SC/ST students.

### 3. **IT oriented training programme to Akshaya Coordinators:**

Department LAB has been utilized for providing training to the coordinators of Akshaya, an e-service program by the Government of Kerala, since 2013. Utilizing the department's LAB for training purposes demonstrates the commitment to supporting government initiatives and promoting digital literacy. Here are some potential training areas that could be covered in this context:

- **Akshaya Program Overview:** The training can start with providing an overview of the Akshaya program, its objectives, and the services it offers. This would help the coordinators understand the context and purpose of the program.
- ☐ **E-Governance and Service Delivery:** The training can focus on the concept of e-governance and how it is implemented through the Akshaya program. Coordinators can learn about the various government services available through Akshaya centers and how to facilitate their delivery.
- ☐ **Computer Skills and Basic IT Training:** Since the Akshaya program involves working with computers and digital technologies, coordinators can receive training on basic computer skills, operating systems, software applications, and troubleshooting techniques.



The training program should be designed to meet the specific needs of the coordinators and align with the goals of the Akshaya program.

### **Honoured Dr. Biju K.G, HoD. Department of Physics**

Completing a Ph.D. in physics is a significant accomplishment, Dr. Biju K G was honored by department of Computer Science for this achievement. Pursuing a Ph.D. requires years of dedicated research, hard work, and a deep understanding of the subject matter. It's a testament to Dr. Biju K G's commitment and passion for physics.

Being honored by the department is a recognition of Dr. Biju K G's contributions to the field of physics through his research and the knowledge he has gained.

Completing a Ph.D. opens up new opportunities for Dr. Biju K G in academia, research, industry, or other related fields. It demonstrates a high level of expertise and specialization in the field of physics, which can lead to exciting career prospects and the ability to make significant contributions to scientific advancements.

Congratulations to Dr. Biju K G on completing his Ph.D. in physics and receiving this well-deserved honor from our department!



## Major achievements of students

The students of the department have numerous achievements. Some of the major achievements of our students are:

1	Rashid Ali Fasil Thottathil	1st Prize in Web Designing	'INSPIRO19' IT Fest Don Bosco, Iritty Kannur.	8.2.2019
2	Hareesh Malik Yad	II Prize in Gammin	Don Bosco, Bathery	
3.	Sarfes Shaheen muhammed Hareesh Jishnu	I Prize in Treasure Hunt		
4	Jishnu	Dance		
5	Jaseel(II BCA)	Kolkali	F Zone	

**Learning resources of the department like Library, Computers, Laboratories and other such resources.**

Item	Total Number
<b>Library</b>	<b>967 volumes of Books in the General Library</b>
<b>Computer</b>	<b>69 Computers, Laptop 2 Nos</b>
<b>Printers</b>	<b>Laser Printer - 2 Nos Ink Tank Printer (Color) – 01 Nos.</b>
<b>UPS</b>	<b>5 KV - 3 Nos with 18 batteries(100AH)</b>
<b>LCD Projector</b>	<b>Epson LCD - 2 Nos.</b>
<b>Fully Internet connection provided in the LAB</b>	



## PLACEMENT

SI No.	Name of Student	Company
1.	Sarfas Muhammed	Seemas, Calicut
2.	Nadana Nanu	Imit Park, Irinjalakkuda, Trissur
3.	Muhammed Asif	Blue Gen., Calicut
4.	Farsana	Infobreez Technologies, Mukkam, Calicut
5.	Minshad	Eloobees Technology, Chalakkudi, Trissur
6.	Yadhu Krishnan	Co-ordinator, Green Campus Project, Govt. of India
7.	Godly Mon	Blue Gen., Calicut
8.	Amaljith A P	Photographer, Deshabhimani daily
9.	Rejina C K	WMO English Academy, Muttill

