



The brochures and posters for Riti 4.0 were designed by second-semester B.Voc. students. The second-semester students also designed the brochure for B.Voc Web Technology and Data Science courses admission 2019-2020.

**ABOUT THE COLLEGE**  
Vimala College (Autonomous), a first grade women's college under the CMC Management was established in 1970. The college offers 16 Undergraduate, 13 Postgraduate programmes. Other programmes like PG Diploma, B.Voc. & Community College and is a center for research in English, Commerce, Physics, Economics and Social Work. The institution was awarded autonomy in 2015 and conferred the status of College with Potential for Excellence (CPE) in 2015 and is on a rising scale in three accreditation of NAAC.

**ABOUT RITI 4.0**  
RITI 4.0 is a one day Intercollegiate IT festival conducted by the Department of Computer Science, Vimala College. It is a platform for students to showcase their technical talents as well as to provide an opportunity to enhance their soft skills.

**Staff Coordinators**  
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**Student Coordinators**  
Steffy X Thomas  
Ronika Paul

**VIMALA COLLEGE (AUTONOMOUS), THRISSUR**  
Re-Accredited by NAAC with 3.5 on 4 point scale 03<sup>rd</sup> Cycle

**DEPARTMENT OF COMPUTER SCIENCE PRESENTS**

**RITI 4.0**  
**REFLECT THE RADIANCE**  
AN INTERCOLLEGIATE TECHNO FEST

30<sup>th</sup> August 2019  
Time: 9AM to 4PM  
Venue: Lissieux Block

**VIMALA COLLEGE (Autonomous)**  
Affiliated to University of Calicut, Nationally Reaccredited (3<sup>rd</sup> Cycle) at A Grade

**SCOPE OF DATA SCIENCE**  
Data is now growing at an exponential rate. The omnipresent IoT and enhanced data storage mechanisms catalyse its rapid growth. Data science is a blend of machine learning and statistical inference which delves into the realm to find solutions for complex analytical problems.

**ONE YEAR PG DIPLOMA IN DATA SCIENCE**  
Offered by the Dept. of Computer Science in collaboration with Dept. of Statistics

**DURATION**  
• 2 Semesters  
• Each semester has a duration of 6 months including exams  
• Second semester includes a project

**ELIGIBILITY**  
• UGPG Computer science  
• B.Sc/M.Sc Statistics  
• Any UG with statistics as Complimentary course

**Topics Covered...**  
Data Mining, Big Data, Hadoop, Spark, R programming, Python, Statistics for Data Science, Machine Learning, Data Analysis, Predictive Modeling, Capstone Project.

**JOB OPPORTUNITIES:**  
Trending career options as a data scientist in IT and ITES domains

**WHO IS A DATA SCIENTIST?**  
A data scientist has the art of wrangling data to predict future behavior, uncover patterns to assist the organizations to prioritize and provide actionable information and to draw meanings from the vast untapped data resources.

**For more details, Contact us...**

Ms. Chirpa Paul Dept of Computer Science 8137808454	Ms. Sareena Rose Dept of Computer Science 9446024201	Dr. Divya P.R. Dept. of Statistics 9747321837
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Admissions Open, Visit : [www.vimalacollege.edu.in](http://www.vimalacollege.edu.in)

**ABOUT THE COURSE**  
B.Voc. Web Technology focuses on training students to build efficient websites with perfect graphics and easy usability. We provide skills for creation, design and maintenance of websites which is always a booming and sustainable area of employment.

**JOB ROLES**

<b>Web Designer</b>	Design attractive layouts for websites and create digital art.
<b>Web programmer</b>	Develop back-end code to create fully functional websites.
<b>Web application Architect</b>	Code, test and analyse websites, document behavior and evaluate application technologies to improve website performance.

**JOB OPPORTUNITIES**  
Internships in collaboration with reputed companies.  
Attractive job offers from established organizations

**TOPICS COVERED**  
HTML, CSS, Adobe Photoshop, Adobe Illustrator, Bootstrap, PHP, JavaScript, MySQL, XML, Python, Django, Node.js, Angular JS, ReactJS, Ruby on Rails.

**Contact Us:**  
Ms. Vidya N.K. 8129616690  
Ms. Radhika Madhu 9400891703  
Ms. Jesna James 8547621425

**VIMALA COLLEGE (AUTONOMOUS)**  
(NAAC re-accredited (3rd cycle): A Grade, CGPA - 3.50)  
(Affiliated to the University of Calicut)

**B.Voc. in WEB TECHNOLOGY**  
Approved by the University of Calicut

**Exit Points**  
1 year - Diploma  
2 year - Advanced Diploma  
3 year - B.Voc. Degree

**Eligibility**  
- 10+2  
- Vocational High School  
- Diploma

Course fee in accordance with University norms  
For admissions, visit: [www.vimalacollege.edu.in](http://www.vimalacollege.edu.in)

The students of B.Voc designed a logo and flyer for Vimala Psycho-Spiritual Child Guidance Center.



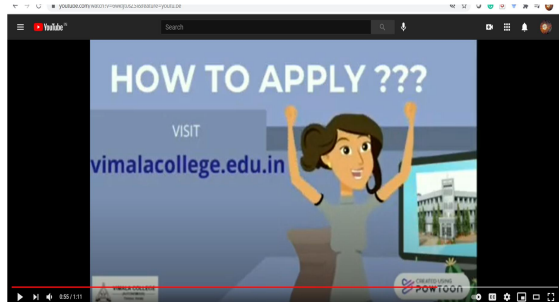
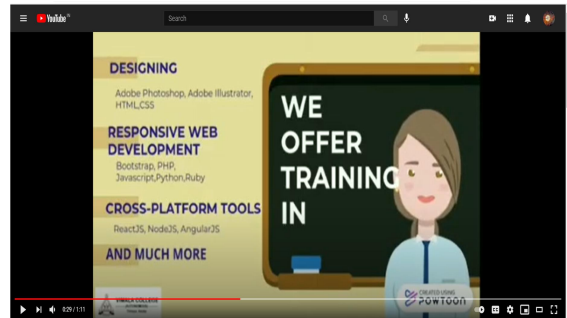








In June 2020, Students of B.Voc created an admissions promo video for B.Voc Web Technology to be published on YouTube and sent to schools and colleges in order to invite applicants.



## Dept. in Action

### Association Activities

#### Workshop

The students of B. Voc Web technology participated in a Python workshop at Ahalia School of Engineering and Technology, Palakkad from 7th August to 9th August 2019. 11 students accompanied by faculty, Ms Vidya N. K. attended the three-day workshop to gain a beginner's understanding of Python and its programming concepts.





### Internship seminars

Students attended seminars from industry experts in precedence of their internships to gain an overview of the companies. Each session covered topics related to the syllabus and future career paths.

Atees Infomedia Pvt. Ltd. visited the college on 4 December 2019 to elaborate on the importance of branding, graphic design, career paths.

FabStudioz IT Research and Development talked to the students on 6 December 2019 about career opportunities for graphic designers and guidelines to secure a job in the industry.

Ociuz Technologies visited the students of B.Voc Web Technology on 6 December 2019 and presented a seminar on Web designing technologies and the growing market for web development.

Aitrich Technology Pvt Ltd visited the college on 9 December 2019 to elaborate on the Spring framework and how to improve one's Web programming skills.

### Atees Infomedia Pvt. Ltd.







FabStudioz IT Research and Development



Ociuz Technologies



Aitrich Technology Pvt Ltd





### Workshop

The students of first-semester B.Voc Web Technology attended a workshop on Graphic Designing at CloudCraft Studio Pvt. Ltd, Thrissur on 14 December 2019.

The employees of CloudCraft talked to the students about their clientele, previous works, career demands faced by graphic designers and available opportunities.

The students were introduced to various graphic designing tools such as Adobe Photoshop and Adobe Illustrator and were given a hands-on session on these technologies.



### **Lockdown activities**

## Webinar

B. Voc Web Technology of the Department of Computer Science organized an International webinar on “Modern Approaches in Building Secure Web Applications” on 3 July 2020. Mr Sanoop Thomas, Security Researcher and Founder of BSides Singapore talked to the participants about the security risks in traditional development approaches and introduced modern development strategies to avoid such potential security threats. Final-year students and faculty members of various institutions attended the webinar and gained insight into ORM techniques, examples of secure Django programming, etc. E-certificates were issued to the participants upon completion of the webinar.

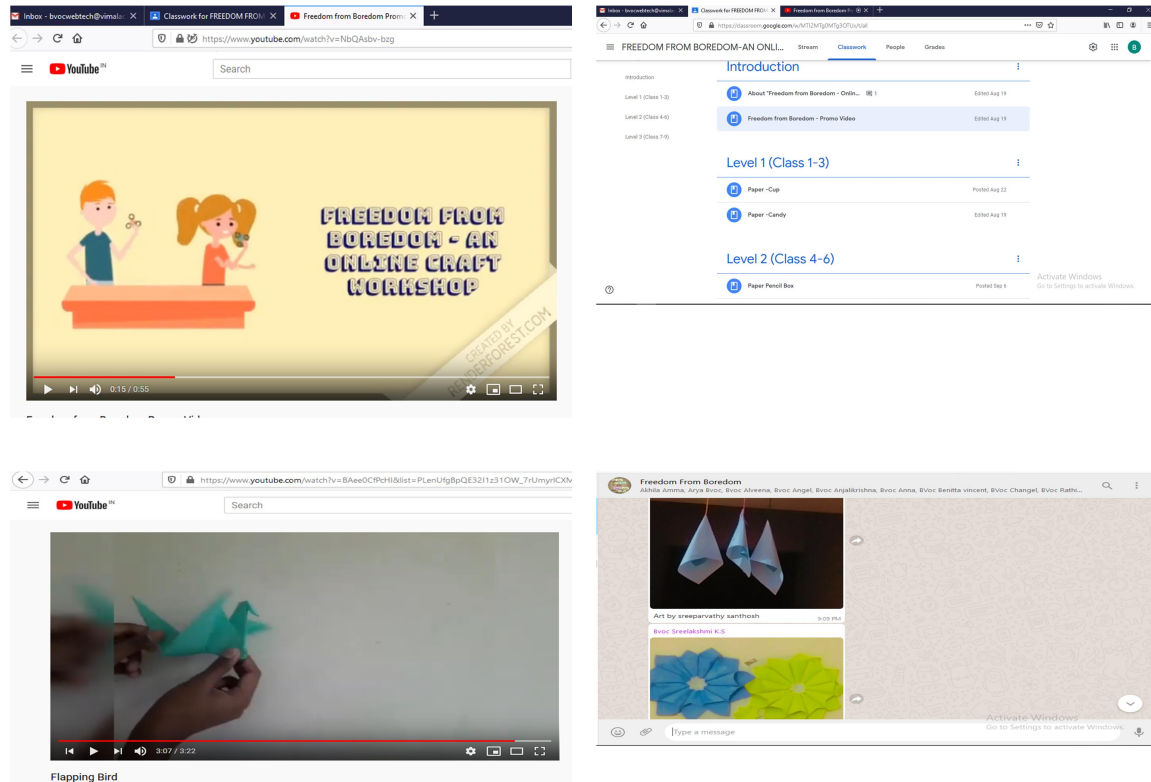


B.Voc Web Technology conducted a webinar on “Plagiarism” on 14 August 2020. The resource person of the session, Ms Salini Sudesh, is a Fellow of Higher Education Academy, UK and has extensive experience with detecting and avoiding plagiarism. The webinar was aimed at providing a basic awareness on plagiarism, how it is connected to academics and the outcomes if plagiarism is detected in a submission. The speaker introduced many online plagiarism checking tools like Turnitin, Urkund, etc. for future reference while avoiding plagiarism. The participants were the students of B. Voc Web Technology. The one-hour session benefitted the staff and the students of the department profoundly, as the knowledge gained is useful to avoid plagiarizing, manage time and hone research skills. Certificates of participation were issued to the students and feedback was collected in which the students expressed their urge to have similar sessions in future.

## Craft Workshop

The students of B.Voc Web Technology organized an online craft workshop for school students named “Freedom from Boredom” from 20 August 2020. The event was aimed at creativity development of students by improving their psychological and physical health adaptability, invention, innovation and entrepreneurship skills which will help them to fulfil their creative potential. The objective was to create enthusiasm among students in their free time during the Covid-19 pandemic situation. The event was conducted in Google

Classroom with 112 students from various schools as participants. Students were categorised into Level 1(Class 1-3), Level 2 (Class 4-6), Level 3 (Class 7-9) depending on the students' age. Tutorial videos were created by the students of B.Voc Web Technology that suit students of each level. A WhatsApp Group was also shared among the participants to showcase their artistic works.



## Events organized

### Industrial Visits

On 22 May 2019, the students visited FabLab located at Kinfra Hi-tech Park, Kalamassery, Cochin. FabLab Kochi is a government-sponsored start-up to promote the development of digital fabrication in Kerala. The students attended an introductory session where Mr Daniel John, Manager, gave a short description of the digital fabrication technologies and their rising importance. Following that, Mr Salman Faris, an alumnus of FabLab and Fab Academy instructor, gave a tour of the lab and introduced the different machines used in the process, including the Laser cutter, 3D printer, CNC router and Vinyl cutter. The students were inquisitive and observed the working of these tools. The students were very impressed by the various models and artefacts that were created using these tools. At the end of the session, the staff presented souvenirs to the students, which was highly appreciated.





The students visited UL CyberPark, Calicut on 5 December 2019. The industrial visit consisted of three sessions, that covered the history of ULTS, the infrastructure of the cyber park, and career opportunities for web designers. Employees of the companies in the Cyberpark answered the students' queries regarding web technology and working in the industry. They also gained exposure regarding the startup environment.





## Tech Fest

TechTrix 1.0 was an intercollegiate Tech Fest organized by B.Voc Web Technology, Department of Computer Science on 12th October 2020. Two events were conducted as part of TechTrix to promote participants' coding skills, marketing abilities and creative talent. Cash prizes totalling Rs. 3000 were awarded to the winners and other participants were issued e-certificates. Webool started at 1.30 pm and ended by 7.30 pm. Ad\_selfie started at 2 pm and was conducted in two rounds that ended by 5 pm.

