

Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science, Satara (Autonomous)
Department of Electronics
Student Centric Activities
Activities/Workshop/Webinar 2019-20

Number of activities=04

Sr. No.	Title of Activities/Workshop/ Webinar	Level(Int/Nat/State /Uni/Local)	Resource Person	Title of talk	Date & Time	No. of Beneficiary	Collabo ration
1	Workshop on Modern Control Theory: Design and Analysis	Local	Mr.S.M. Maske	Modern Control Theory: Design and Analysis	20 July, 2019 11:00 am to 5:00 pm	22	—
2	Celebration of Guru pournima	Local	All Faculty Members of Electronics Departments	guru shishya culture of India	16, July 2019 11:00 AM to 1:00 PM	55	—
3	One Day Workshop On Computer Networks and Cyber Security	Local	Dr. Shabina Sayyad Mr. Ganesh Dangat	Computer Networks Cyber Security	17th January, 2020 11:00AM to 5:00 PM	250	—
4	YC Science Exhibition Fair	Local	Dr.K.G.Kanade	YC Science Exhibition Fair	5th to 7th October 2019	80	—

Rayat Shikshan Sanstha's

**Yashvantrao Chavan Institute of Science, Satara
(Autonomous)**

“Workshop on Modern Control Theory: Design and Analysis”

Under

Rashtriya Uchchstar Shiksha Abhiyan (RUSA)

20 July, 2019

A Workshop on “Modern Control Theory: Design and Analysis” was held on 20 July 2019. The Workshop has been organized by the department of Electronics for students and faculty with an opportunity to get a clear the concepts of control system. The Workshop was attended by 26 students and 8 Faculty members of Department of Electronics. The guest lecture began with welcome address by the Prof. Pol S.R. He has introduced and welcome Hon. Prof. S.M. Maske, resource person to deliver the lecture.

This Workshop program formally inaugurated by Hon. Mr. J.A. Wagh, Head Department of Electronics and Computer Science. HOD has shared their views with students and faculty members about Control System and our College. Prof. Pol S.R. proposed the vote of thanks.

In this Workshop there were 4 Sessions. First session was on Introduction of Control System, Basic Concepts of Control System, Open loop and closed loop systems, Classifications, effect of feedbacks on Control System performance. Transfer function modeling and representation of Control system, pole & zero concept, Linear mathematical physical systems, Electrical analogy, Block reduction techniques, Signal flow graph, Mason's gain formula.

Second session was on Type and Order of Control system, Typical tests signal, Time Response of first and second order systems to unit step input, Steady state errors, Time Domain Specifications of Second Order System, Dominant Closed loop Poles of Higher Order Systems. Concept of Stability: absolute, relative and marginal, nature of system response, stability analysis using Hurwitz's criterion, Routh's criterion, Basic properties of Root Loci, construction of Root loci, Angle and magnitude condition for stable systems, concept of inverse root locus and root contour.

Third session was on Steady state response of a system to sinusoidal input, Relation between time and frequency response for second order systems, Frequency response specifications, Stability Analysis with Bode Plots, Polar Plots, conformal mapping, Nyquist stability criterion. Introduction to state space analysis, State space representation for i) Electrical Network ii) nth order differential equation iii) Transfer function. State model from transfer function using: Direct, parallel, cascade, decomposition method.

Fourth Session was on Modeling and transfer function of control system components Potentiometer, DC and AC Servomotors, gear trains, tacho-generators. Design concepts of P, PI, PD, PID controllers, Compensator Networks-lag and lead.

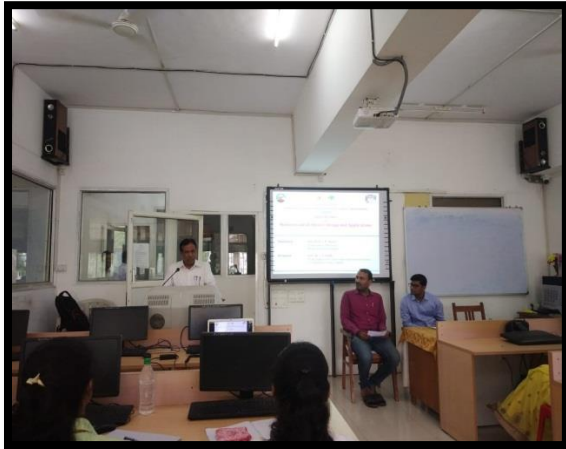
After the all sessions student are enthusiastically participated in Discussion. All the sessions are very useful to students and also faculty members. All are enjoyed a lot this Workshop.

Mr. J.A. Wagh.

Head,

Department of Electronics & Computer Science

Photo Gallery



Report

Celebration of Gurupournima

16, July 2019

Department of Electronics & Computer Science students had organized “Gurupournima Function” on Tuesday, 16-July-2019 for all staff members. Students had invited Hon.Prin.Dr.K.G.Kanade as chief guest. The function began with a welcome speechby Mr. Shailesh Jangam from B.Sc III Electronics.

Hon. Chief Guest was felicitated by offering a flower. Ho.Hod Mr.J.A.Wagh & all other faculty members were also felicitated by offering a flower. Chief guest Hon. Prin.Dr.K. G. Kanade expresses his thoughts and feelings on Indian Culture and heritage of Guru Shishya and guided the students. Hon.Mr.J.A.Wagh also expresses his views on gurupournima and gave guidance to all students. All faculty members had expressed their feelings and expresses their views on guru shishya culture of India.

Mr.Sushil Thorat from B.Sc III Electronics propose vote of thanks.

Photo Gallery



Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science, Satara
(Autonomous)
Department of Electronics & Computer Science
Organizes
One Day Workshop On
“Computer Networks and Cyber Security”
(Under Lead College Activity)
17th January, 2020

The Yashavantrao Chavan Institute of Science, Satara and Department of Electronics and Computer Science organized a one day workshop on “Computer Networks and Cyber Security” Under Lead College Activity on 17th January, 2020. The objective of this workshop student will able to understand and construct basic of Computer Networks and cyber security.

The workshop was formally inaugurated by Chief guest Hon.Dr.Shabina Sayyad, Associate professor, Dept. of CSE,KBP College of Engg, Satara. Chair Person of this workshop Mr. J. A. Wagh, Head, Dept. of Electronics, YCIS, Satara and Mr. J. A. Wagh, felicitated the members on the dias. Mr.C.R.Shinde introduces the guest and explains the theme of the workshop. Ms. Pawar V.N., Asst. Prof. Dept of Computer Science, YCIS, Satara proposed the vote of thanks.

The workshop had altogether two lecture sessions. **Hon. Dr. Shabina Sayyad**, took first session on “**Computer Networks**”. she told about ISO layers of networks. She explains basics of computer networks topologies, Network types and its applications.

Second session was delivered by **Hon. Mr. Ganesh Dangat**, Assistant Professor, Dept of CSE, KBP College of Engg, Satara on “**Cyber Security**”. He told the safety tips to avoid the cybercrime and also introduced the different laws for cyber crime. He also guided how to keep away from being victim or criminals to the students.

A feedback session was arranged at valedictory function. Few students have given feedback about the workshop on behalf of the participants. The Valedictory function of this one day seminar had successfully completed with vote of thanks by Ms.R.U.Atar.

Mr.J.A.Wagh
HOD Electronics and Comp Sci.

PHOTO GALLERY





Report
on
YC Science Exhibition Fair
Organised By
Yashavantrao Chavan Institute of Science, Satara
Department of Electronics & Computer Science
5th to 7th October 2019

Yashavantrao Chavan Institute of Science, Satara organized “YC Science Exhibition Fair” 5th to 7th October 2019. The main objective of this Exhibition is to inspire students of this institute for entrepreneurship and how to handle outdoor environment. The Exhibition was inaugurated by with the auspicious hands of Chief Guest Hon. Dr. Anil Patil Chairman of Rayat Shikshan Sanstha, Satara and Dr. K. G. Kanade Prin. Y.C.I.S, Satara, Dr. H. V. Deshmukh Vice-Prin. Y.C.I.S, Satara were present for this exhibition.

Many chairman, Principal and faculty presented for this exhibition. Overall 300 faculty from colleges had arranged the stalls of products in the exhibition. Different types of stalls were arranged in this exhibition. Department of Electronics and Computer Science sold different types of software as well as hardware product in this exhibition. Students from Electronics and Computer Science made different types of products like smart dustbin, smart helmet, Fire Robot as well as developed Mobile apps like Election system, Attendance system, 3D printer filament run out sensor etc. All the students of Department of Electronics and Computer Science plays important role to distribute the products.

Photo Gallery



