Department of Electronics
Organized
One Week Faculty Development Programme
On
"Advances in Electronics and Allied Areas"
Sponsored
Rashtriya Uchchtar Shiksha Abhiyan (RUSA)
11th-17th June, 2019

The Yashavatrao Chavan Institute of Science, Satara and Department of Electronics organized a "Faculty Development Programme" on "Advances in Electronics and Allied Areas" sponsored by RUSA for teachers from 11th to 17th June, 2019. The objective of this workshop to improve the performance of faculty members in education, research and administration as well as augmenting organizational capacities and culture.

The workshop was formally inaugurated by Chief guest Hon. Dr. P.S. Patil, Dean, Science & Technology, Shivaji University, Kolhapur, Dr. D.P. Amalnerkar, Emeritus Scientist Ex. Director CMET, Pune, and Chair Person of this workshop Dr. K. G. Kanade, Director, YCIS, Satara presided over the meeting and Dr. K.G. Kanade, felicitated the members on the dias. Chief guests has shared their views with faculty members in their professional responsibities as educators, researchers and administrators. Dr. Jay Chavan, Asst. Prof. Dept of Botany, Coordinator, IQAC & RUSA, YCIS, Satara proposed the vote of thanks.

The workshop had altogether twelve lecture sessions. Mr. J. A. Wagh, Asso. Prof., Head Dept. Of Electronics and Computer Science, YCIS, Satara, Asst. Prof. S.K.Shinde, YCIS, Satara, Asst.Prof. D.H.Jagatap, YCIS, Satara, Mr. S.S.Barkade Asst.Professor,YCIS,Satara,Mr.S.R.Pol,Asst.Professor, YCIS, Satara,Mr.R.S.Deshmukh Asso. Professor, SGM College, Karad were the six resource persons conducted this workshop.

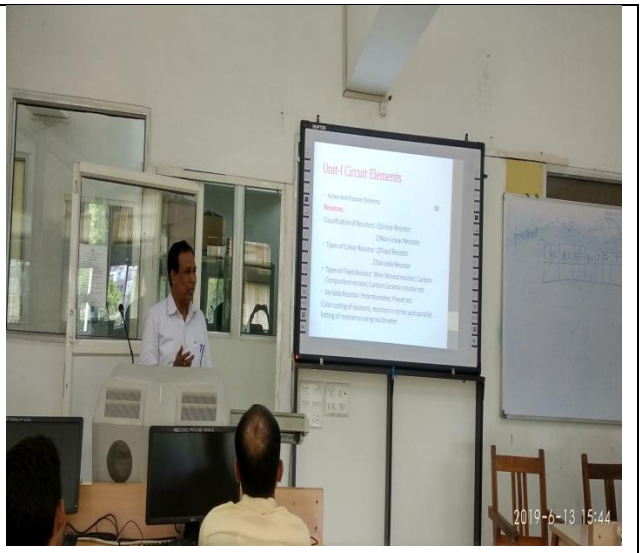
On first day of Faculty Development Programme Prof. Mr. J. A. Wagh and Mr.S.K.Shinde took first and second session on "**Network analysis and Semiconductor Devices**"and told how to exposing them to a variety of theories and methods. On second day Ms.D. H. Jagatap and Mr.S.S.Barkade had conducted first and second session on "**Digital Electronics and Electronic Circuits**" and told how an increasing majority of applications in electronics use digital techniques to perform operation. On third day of workshop Mr. J. A. Wagh and Mr. S. R. Pol both delivered the lectures on "**Practical Paper I and II".**

On fourth day of this workshop first session was delivered by Mr. S. K. Shinde on "**Modern Communication**" he told how technology in education plays role in improving the educational skills.Second session handled by Mr. S. R. Pol on "**Wave Shaping Circuits and Operational amplifier**". On next day of workshop Prof.R.S.Deshmukh had conducted lecture on "**8085 Microprocessor and 8051 Microcontroller"** and they discuss variety of application processors and efficient microcontrollers can benefit from an embedded database. This is beneficial to students for IOT applications. On last day of workshop Mr.S.K.Shinde and Mr.s.R.Pol had conducted session on "Practical Papers III and IV" and they told that this framework has been made with focus in making the transmission of knowledge from faculty to students highly effective by using demonstration method.

A feedback cum thanks giving session was arranged. The chief guest of this valedictory function was Hon. Prin. Dr. Hrishikesh Soman, Symbiosis College of Arts and Commerce, Pune, Hon.Dr. K.G. Kanade, Principal of Y.C.I.S, Satara, Dr.H.V.Deshmukh Vice-Principal, Y.C.I.S,Satara, Few faculty members provided feedback about the workshop on behalf of the participants. The chief guest addressed the teachers how evaluation helps to build an educational programme, assess its effectiveness. It helps teachers and learners to improve teaching and learning. The formal vote of thanks was proposed by Dr. H. V. Deshmuk, Vice-Principal, Y. C. I. S, Satara.

PHOTO GALLERY

Yashavantrao Chavan Institute of Science, Satara
(Autonomous)
"Faculty Development Program (FDP)"
Recent Advances in UG Programme
Rashtriya Uchchatar Shiksha Abhiyan (RUSA)
Session-I
Date: 12/06/2019
Time: 3.00 pm to 4.00 pm
2019-6-12 15:39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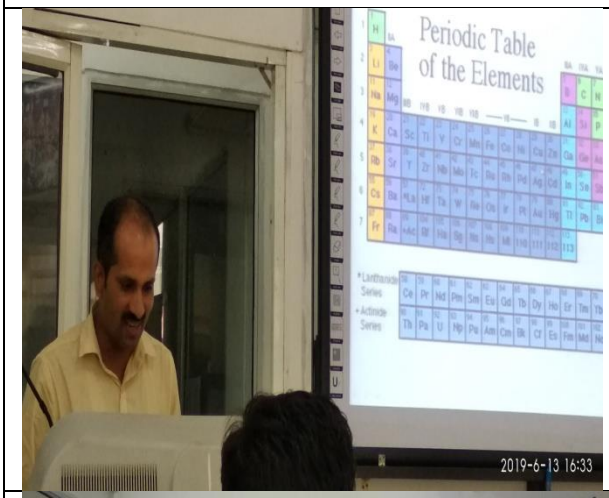
Periodic Table of the Elements
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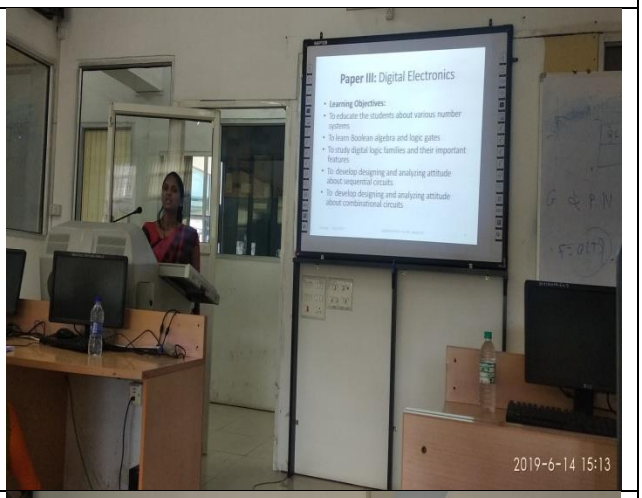
Paper III: Digital Electronics
Learning Objectives:
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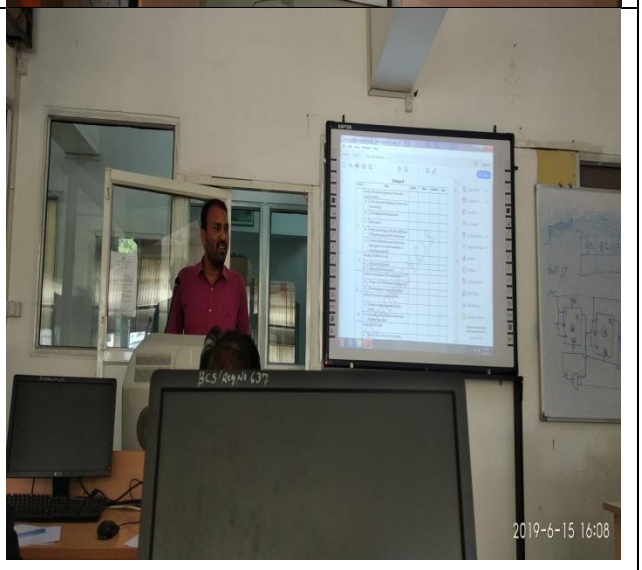
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Group A
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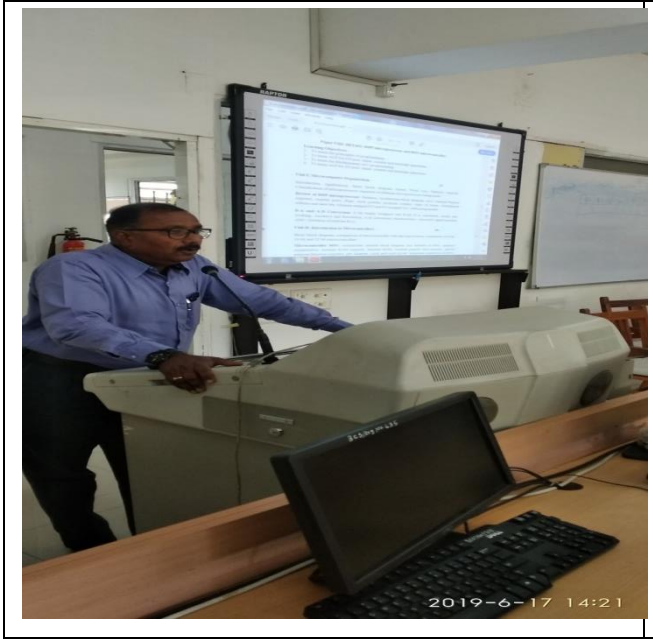
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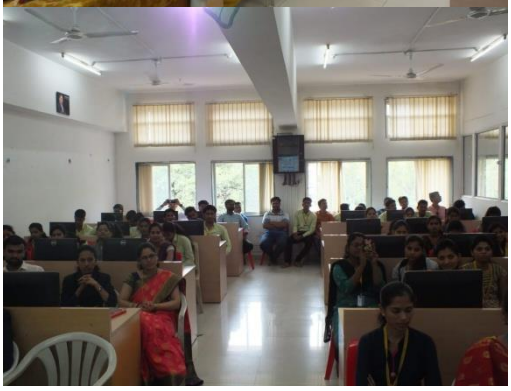
Report

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 felicited by offering a flower. Ho.Hod Mr.J.A.Wagh & all other faculty members were also felicited 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



Report
on
"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 studentsand 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 welcomeHon.Prof.S.M.Maske, resource person to deliver the lecture.This Workshopprogram 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.

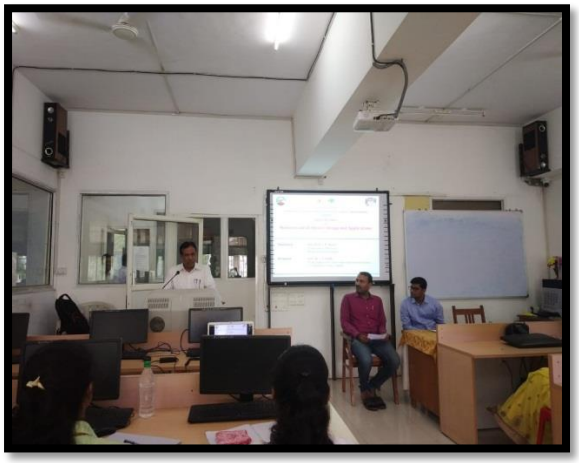
In this Workshopthere were 4 Sessions. First session was on Introduction of Control System, Basic Concepts of Control System, Open loop and closed loop systems, Classifications, effect of feedbacks on Control System performance. Transfer function modeling and representation of Control system, pole & 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 componentsPotentiometer, 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
"A Five Day's hands on workshop
on
Internet of Things (IoT) Design and applications"

23rd-27th July, 2019

Department of Electronics & Computer Science haveorganized **"A Five Day's hands on workshop on Internet of Things (IoT) Design and applications"**on 23rd - 27thJuly 2019 for M.Sc.- I and M.Sc. II ElectronicsStudents intended for COC courses Certificate and Diploma in Internet of Things (IoT) in collaboration with AVM Infotech (I) PVT LTD, Indore.

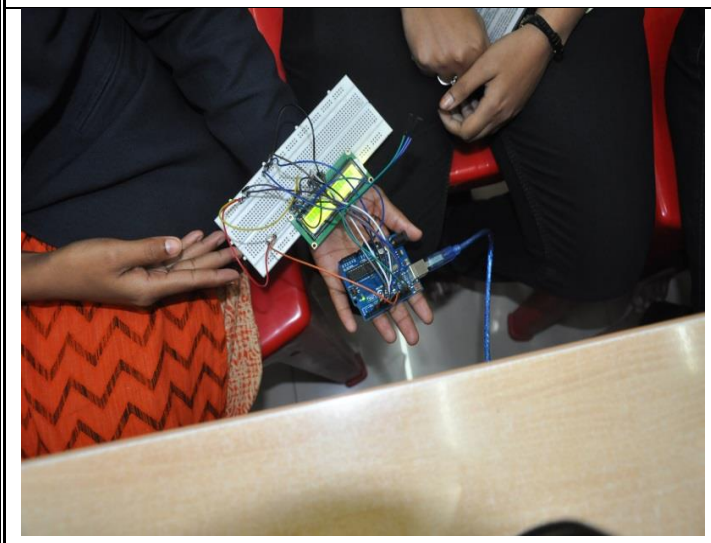
The workshop began with a welcome speech by Mr. J. A. Wagh, Head, Department of Electronics and Computer Science. He had explained the theme of workshop. Theworkshop was inaugurated by Chief GuestHon.Prin.Dr.K.G.Kanade.40 students had participated in this workshop. In this workshop Mr. Sumit Tehalwani (Embedded and IoT Engineer) having 5 years of industry experience, Phrabhakar Bansode,and ShrenicChowgule worked as Resource Persons. First day Basics of Arduino was taught by Resource Persons Mr. Sumit Tehalwani , Next day, he discussed real life use cases on IoT application and make the session really interactive by providing an opportunity to suggest a solution to real life scenario.The second day of workshop was planned to provide hands on experience with IoT device and application. Second day conducted by Mr. Sumit Tehalwani Phrabhakar Bansode,and Shrenic Chowgule.

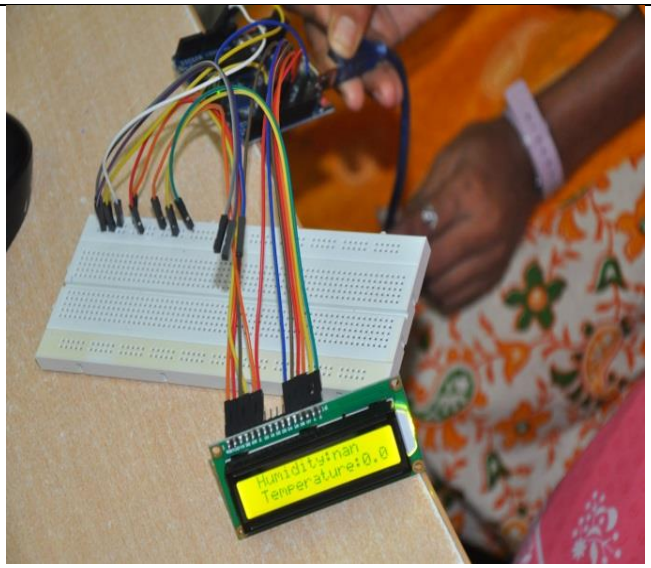
The Third day was begun with discussion on various technologies available for location access, real time data access with their limitations and application and brought forward the idea of Bluetooth Low Energy(BLE), Wifi, device and their applications. The participants learned creating the systems using different Sensors like ultrasonic sensor, relay, soil moisture sensor, RFID tag, WiFimodul, Bluetooth, LCD, Dot Matrix etc. Fourth day was with discussionon AMS software which is useful in robotics.

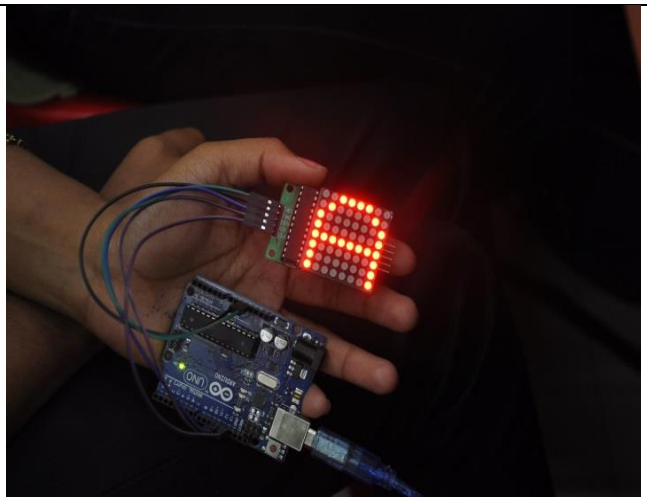
The Fifth day was begun with the discussion onRaspberry pi and python language which is useful for raspberry pi programing by Sumit Tehalwani. Last session of this workshop was the presentation of projects which was completed in last four days. Students was completed 30 projects in this workshop.

The Valedictory function of this Fivedays' workshop had begun with the welcome speech by Mr. J. A. Wagh. The Chief Guest of valedictory function was Hon.Prin.Dr.K.G.Kanade. He had delivered valedictory speech and shared his ideas related with the development of IoT Systems.Meritorious teams were awarded with the Certificates with the auspicious hands of ChiefGuest Hon.Prin.Dr.K.G.Kanade.Vote of thanks was given byMr.S.K.Shinde.

Photo Gallery







Report
Welcome Function
30 August, 2019

Department of Electronics & Computer Science had organized "Welcome Function" on Friday, 30-August-2019 for B.Sc I Computer Science Students. This welcome function was organized by B.Sc II & B.Sc III students of Computer science department. The function began with a welcome speech by Mr. J. A. Wagh, Head, Department of Electronics and Computer Science and He welcome all new students of first year on behalf of department.

Hon. Chief Guest was felicited by offering a bouquet & all other dignitaries were also felicited by offering flowers.Two students from B.sc II & B.Sc III expressed their feelings and their views about college & department. Hon. Dr.H.V. Deshmukh, Vice Principal, Y. C. I. S., Satara was Chief Guest of function. He expresses his views, welcome all new students and introduce the college to new students. Miss. Darshana Ishwarsingh Rathore from B.ScII propose vote of thanks.

Photo Gallery

Dr. H V. Deshmukh

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 toinspire students of this institute for entrepreneurship and how to handle outdoor environment. The Exihibition was inaugurated by with the auspicious hands of Chief Guest Hon. Dr.AnilPatil 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

B.Sc. Computer Science
Well Qualified Staff
ICT Based Teaching

YC Science Exhibition Cum Fair
Department of
Electronics
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9

YC Science Exhibition Cum Fair
Department of
Computer Science
(Autonomous)

GOLDEN JUBILEE BUILDING