Report on
Induction Program 2019

Royal College of Engineering and Technology started the induction program for newly joined students. The inauguration program was held on 15th July 2019, 10.00 AM-11.30AM in the seminar hall, RCET. The function was started with prayer, followed by a welcome speech by Mrs. Amrutha M. Chemmannur (HOD/EEE). The presidential address was delivered by the Principal Dr. S. P. Subramanian. Inaugural Address of the event was given by Mr.V. P. Salim (CEO-RCET). And the Felicitation was given by Mr Sreeraj (HOD/CSE), Mr Sangeeth (HOD/ME) and Mr Krishnakumar (HOD/ECE). The program ended by vote of thanks by Ms. Shahidha K M (AP/AS&H)

ROYAL COLLEGE OF ENGINEERING & TECHNOLOGY
AKKIKAVU - 680604

REPORT ON "ANTI DRUGS USE" EDIFICATION PROGRAMME
BY SSSDF (STUDENTS' SOCIAL SKILL DEVELOPMENT FORUM) RCET

The Anti drug use edification program was conducted with a half day session with **Mr. SUNNY PI,** Officer Kunnamkulam excise department**.** He handled the topic **"TYPES OF DRUGS & BAD EFFECTS OF DRUG USE"** **.**The program started at 11.00am on 13/02/19 with the welcome speech by **Mr. GENO JOHN K, (AP/ME)** SSDF convener**.**

Staffs and students coordinators attended the session. The session was quite interesting and interactive. The concluding session was handled by **Mr. KRISHNAKUMAR,** Officer Kunnamkulam excise department. Vote of Thanks was delivered by **Mr. SREERAJ. R,** HOD of CSE Department.

The program ended at 12.30pm.

SSSDF RCET

SSSDF RCET

Students Social Skill
development forum RC
Conducting

EDIFICATION SESSION
"ANTI DRUG USE
BY MR. SUNNY PI
KUNNAMKULAM EXCISEDEPARTM
13.02.2019

SSSDF RCET

Report on Session 1 of "Journey Towards Excellence"

The association of Royal Mechanical Engineers (ARME) organized a soft skill training program under the title "Journey Towards Excellence" for second semester mechanical and civil engineering students on 16/2/2019. The session one was handled by Mr.Subair.P, soft skill trainer. The session started at 10.00am and ended at 3.50pm. The objective of this session was to inspire the students for set a goal and ambition in life. The resource person handled the session through various activities and each activity concluded by a message. The messages from various activities are as follows:

1. Seriousness of decision making.
2. Seriousness of setting an object.
3. Role of a Leader.
4. Roamer spreading.
5. Role of listening and presentation.
6. All of us are unique- Know the strength and weakness.

At the end of the session a memento was given to the resource person. The students given vote of thanks by mentioning feed back of the session. The students actively participated in all activities. We have noticed that second semester Civil Engineering students dominated Mechanical Engineering students in all activities. The session 1 coordinator Ibish.T.Sunny, AP,ME congratulated entire students and concluded the session 1 of "Journey towards Excellence" by giving wishes to session 2.

Glimpses of Session 1:

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ROYAL ADVANCED CAREER EDUCATION CENTER (RACE)

The department of Applied Electronics & Instrumentation have started the Industrial Automation course on 22/02/2019. As a part of this Mr. Subash Nair, Branch Manager, **Prolific Systems and Technologies Pvt. Ltd**, Kochi, India conducted the introduction talk based on **Industrial Automation** for final year students of AEI.

In his speech he has mentioned the importance of doing an add-on course based on Industrial Automation for enhancing the future. The placement opportunities in different industries were also explained to the students. The previous placement information was also shared by him.

An MOU was signed between **Prolific Systems and Technologies Pvt. Ltd**, **Kochi**, and **Royal College of Engineering & Technology, Thrissur.**

The second session was handled by Mr.Ranjith, Faculty from **Prolific Systems and Technologies Pvt. Ltd.** In this session he has described the basics of PLC and the real time applications of PLC. The various doubts asked by the students were also cleared by the faculty.

Venue: Simulation Lab, RCET

Date: 22/10/2018

Prepared by: Pradosh kumar P (RACE Coordinator-AEI)

<u>REPORT ON AIM (25-02-2019)</u>

On behalf of 'AIM' Electrical and Electronics Engineering department of Royal College of Engineering and Technology invited Mr. Shimmeer P P, Former Assistant professor of EEE department and currently working as Electrical Inspector, Malappuram. He completed his B. Tech from University college and M.Tech from College of Engineering Trivandrum.

The session was conducted on 25-02-2019 for S8 and S6 students. He delivered a talk on career opportunities for Electrical engineers. He explained about various opportunities in public sector and Government sector. The talk emphasized on the importance of GATE exam for those who are interested in pursuing further studies or to get a job in public sector.

He discussed on cracking PSC and SSC examinations and further emphasized the scope of pursuing a career in electrical engineering. He inspired

the students by sharing some personal anecdotes from his life. At the end of the session Ms. Amruthe M Chemmanur delivered vote of thanks and Mr. Mohammed Ajmal gave feedback on the session.

Report on session 2 of "Journey Towards Excellence"

Department of ME

The Association of Royal Mechanical Engineers organized the session 2 of Journey towards excellence, "Art of Character Building-A Music Workshop" on 2/3/2019 at seminar hall from 1.10pm to 3.50pm. The second semester students of civil and mechanical engineering attended the session. The session handled by Mr.Sangeeth.T.S, AP,ME,RCET with the assistance of Ms. Ashtami Chandran (Violin) and Mr.Vimal Thrissur(Mrudangam). The session started by rendering "Reghupathi Ragava Rajaram" on violin.

Along with developing physical strength, the mental strength also has to nurture. The mental strength can be improved by 1.Laughing, 2.Praying, 3.Meditation, 4.Doing something difficult and 5. Good hobbies. The hobbies must be regular, creative and carried during leisure time. The suggested hobbies are writing, reading, Collections, Arts and Meditation. These hobbies can nurture our mind by creative thoughts and imagination. The class proceeded by playing film music and correlating it with classical music. While handling the session the students are praised by trophies for answering different questions regarding music. The session concluded by reminding relationship among mother, father and teacher. At the end of the session, messages given to the students are as follows:

1. Find the blessings from mother, father and teacher through our actions which will help you to find the path forward in difficult circumstances.
2. Enjoy the result by taking pains of preparation.
3. Nurturing mind will lead to happy life.
4. All great personalities have good hobbies to nurture their mind like Dr. A. P. J. Abdul Kalam plays "Veenna", Dr.K.Radhakrishnan Sings south Indian music etc
5. Become ourselves as an entertainer through good hobbies so that we can avoid unnecessary entertainment such as Tiktalk, mobile phone, chatting, wandering with friends and so on.

Ibish.T.Sunny

Program coordinator

ROYAL ADVANCED CAREER EDUCATION CENTER (RACE)

SEMINAR REPRT ON SEARCH ENGINE OPTIMIZATIONA ND DIGITAL MARKETING

The Royal Advanced Career Education Center (RACE) organized a Seminar on **"Search Engine Optimization and Digital Marketing"** on 05.03.2019.The seminar was conducted by Mr.Vyasan P, Trainer KELTRON. The first session was scheduled for third and final year students of CSE at 11 AM and the second session was for third and final year students of EEE, ECE and AEI at 2.00PM.

In his speech he has mentioned the importance of search engine optimization and digital marketing in the current scenario. Moreover he described the basics and applications of search engine optimization. He also mentioned about the State and Central government certification, scholarships and Internships. The various doubts asked by the students were cleared in an astonishing depth. The placement opportunities in different industries were explained along with the previous placement data.

Snaps of seminar on Search engine optimization and Digital marketing

Venue: Seminal hall, RCET

Date: 05.03.2019

Prepared by: Leo A J (RACE Convener)

ROYAL ADVANCED CAREER EDUCATION CENTER (RACE)

SEMINAR REPORT ON "HOW TO PREPARE INDIAN CIVIL SERVICE"

Royal Advanced career education center organized a Seminar on "How To Prepare Indian Civil Service" on 19th March 2019, Tuesday at 2.00pm in Seminar Hall. The session was handled by Mr.Simon Tharakan, from Chanakya IAS Academy. The seminar was too good to give an introduction to our students on how to prepare effectively for the civil services examinations.

The seminar commenced with a question "Why to opt for IAS?"

Civil service simply has to be the best among the best, truly the crème de la crème of the country. Civil services are an attractive and challenging career for the talented, ambitious and aspiring students. The discussion was preceded with civil service jobs- honor, prestige, and endless possibilities in transforming future India. As all, we know India's best brains vie for entry into the Indian Civil Services as officers. Being a public servant will not only be able to serve your country, but you will also earn a decent living. Civil service people will be making decisions and creating policies that will impact the entire nation. The exam is designed is such that only the ones who realize the real role that they have to play in the system will be able to see through the maze created by UPSC. Only these people who are genuinely concerned about the issues of the state, of the nation, of the world with a neutral analytical view on these things, a real problem solver, can and will make it through this process.

Then the discussion going on well-defined 3 stages of civil service exam namely Prelims, Mains & Interview. He also discussed the importance of reading Newspapers, which is one of the most important parts of the preparation process. He also mentioned the importance of practice question paper of past years, literally by writing answers to each and every question. Apart from this, essay writing practice is mandatory and should not be neglected at any cost.

Further, it was highlighted that there has been a considerable decrease in the number of aspirants from Kerala for civil services because of the old pattern of studies and thus a solution was given to increase the number. The various doubts asked by the students were cleared in an astonishing depth.

Snaps of seminar on How To Prepare Indian Civil Service

Venue: Seminal Hall, RCET

Date: 19.03.2019

Prepared by: Leo A J (RACE Convener)

Three Day Workshop on
"<u>Microcontrollers (ATMEGA328) and Embedded programming</u>"

Date   : 4th , 5th & 6th July 2019

Venue: Royal College of Engineering & Technology, Akikkavu

Number of participants: 20 Students

<u>Report</u>

Department of Electronics and Communication Engineering (ECE) in association with IE(I) and RERDW, conducted a Three day workshop on **"Microcontrollers (ATMEGA328) and Embedded programming**", during 4th to 6th july 2019. Twenty Students, which includes the final year RCET ECE students and the students from other colleges, participated in the workshop.

The sessions were handled by Mr. Narayanan P.P., Mr. Suhas P.S., Mr. Kiran Samuel and Mr. Rahul V, Assistant Professor's, department of ECE, RCET. The

Day-1 (4/07/2019):

The session started at 9:30am, after registration. The students were given a brief introduction to the embedded programming. The microcontroller ATmega328 was taken as example and gave a detailed review on various functionalities of the controller. The First day concentrated on giving a detailed knowledge on how to access various input output ports and students were able to program various examples for accessing ports.

Atmel Studio 6.0v was taken as the compiler and students were familiarised with this software. The uploading of the program and simulations were done using Proteus 8.0V (Circuit simulating Software).

Day-2 (5/07/2019):

The sessions on day-2 was divided into two; Morning session concentrated on interfacing 16x2 LCD module with the microcontroller, while the afternoon session was dedicated for interfacing various motors. Students actively wrote embedded programs in Atmel studio and simulated the same.
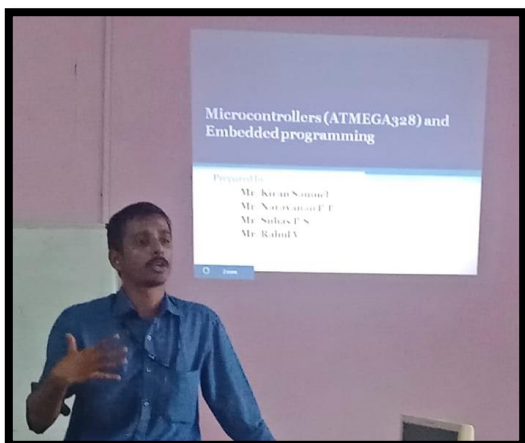
Day-3 (6/07/2019):

In the morning session of the day-3, the students were familiarised on how to use ADC (analog to digital converters) and how it is applied to interface various sensor modules. The hardware program-burning process into the microcontroller was demonstrated and taught during the afternoon session. The students were able to dump various programs into the controller using USASP programmer (Programmer module) in to the microcontroller (ATmega328p).
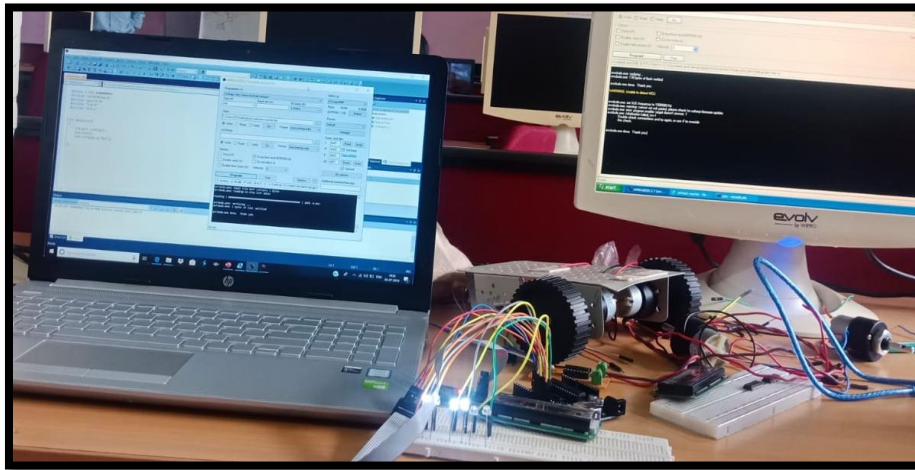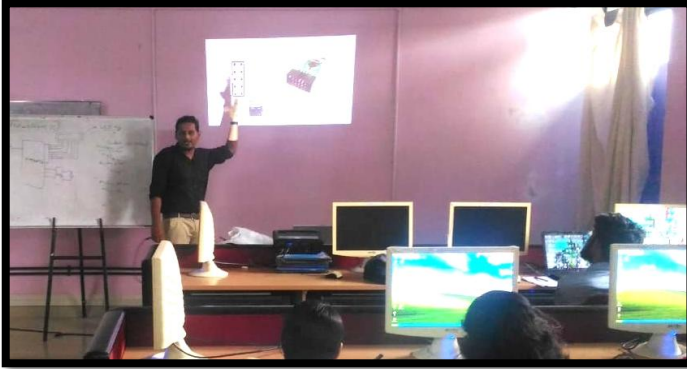
The valedictory function of the program was conducted at 3:30pm on the third day. Mr. Krishnakumar R. HOD of dept. of ECE RCET, distributed the certificates of participation to the students. He mentioned the importance of knowing embedded programming in final year projects as well as for their placements. He suggested the students to keep regular practice with the learned programming software's. The students gave good feedback and requested to host more such hands-on workshops in future.

Group Photo of the students and the staffs who handled the Workshop is shown below:

Five Day Internship program
"Circuit Simulation tools, PCB Design and Fabrication & Microcontrollers Basics"

Date   : 8th , 9th, 10th, 11th & 12th July 2019
Venue: Royal College of Engineering & Technology, Akikkavu
Number of participants: 22 Students

Report

Department of Electronics and Communication Engineering (ECE) in association with IE(I), conducted a five day internship program on **"Circuit Simulation tools, PCB Design and Fabrication & Microcontrollers Basics",** during 8th to 12th july 2019. Twenty two Students, which include the second and third year RCET ECE students and the students from other colleges, participated in the workshop.

The sessions were handled by Mr. Narayanan P.P., Mr. Kiran Samuel and Mr. Rahul V, Mr. Shehin A U, Mrs. Shiji K., Mrs. Radhika E R (Assistant Professor's, department of ECE, RCET) and Mr. Sam Chungath, Mr. Moosa N M and Mrs. Siji P V (Lab instructors, department of ECE, RCET).

Day-1 (8/07/2019):

The 1st Day of internship started at 9:30am. An introduction to basics of microprocessors and microcontrollers were given to the students. Mr. Rahul V (AP/ECE) and Mr. Kiran Samuel (AP/ECE), explained various concepts that an engineering students must possess in order to understand a microprocessor. Hands on sessions of programming (simple basic programs) were done on the same day.

Day-2 (9/07/2019):

Day 2 primarily focused on various simulation softwares which are useful to simulate various electronic circuit ideas of the students. The Session was handled by ECE Department faculties Mr. Narayanan P.P., Mr. Shehin A U and Shiji K. Students simulated various basic analog and digital circuits using Proteus 8.6v (Simulation software tool).

Day-3 (10/07/2019):

Students were introduced new circuit simulation software: Circuit Wizard on the fourth day of the program. The Students were able to design and analyse various analog and digital circuits using this tool. In the afternoon session they were taught on how to design PCB layouts using the same tool for various familiarised circuits. The students were very much interested to learn the process of PCB design.

Day-4 (11/07/2019):

Various steps of preparing a PCB were taught on the fourth day. The students printed the PCB layout of an astable multivibrator, which they have designed on the previous day, on to the copper board (Over which PCB need to be prepared) and etched for the required tracks on the PCB. Each and every student was provided with the materials (Copper board, Ferric chloride solution, hand-drill, soldering iron and lead, components and equipments) for PCB fabrication. Students were able to show the individual outputs at the end of the afternoon session.

Day-5 (12/07/2019):

Last day of the internship concentrated on wiring techniques. The students were given sessions on how to deal with various electric connections. At the end of the session, students were divided into five groups and they were given group work to develop extension boards.

The valedictory function of the program was conducted at 3:30pm on the fifth day. Dr. S P. Subranian, Principal RCET, addressed the students and the staffs. He appreciated the department for hosting such a program and mentioned the importance of internships in the current engineering education system. Certificates were distributed to the students. Students gave good feedback about the program.

Group Photo of the students and the staffs who handled the internship program is shown below:

DEPARTMENT OF CIVIL ENGINEERING

INTERNSHIP PROGRAMME - JULY 2019

*Five days Internship on **Civil Engineering Design and Drafting***

Department of Civil Engineering conducted five days internship on **Civil Engineering Design and Drafting** for first year students (2018-22batch) of Civil Engineering from **15th** to **19th** of July 2019 .The programme was conducted under the guidance of **Mr.Shoy T.S ,Mr.Mohammed Shefeeque** and **Ms.Ani P P (Assistant Professors,CE Dept.)**. They were also assisted by **Ms.Sreeja P V** and **Ms.Swathy Sagran** (Lab Instructors, CE Department). A total of 42 students attended the programme.

On the first day the trainers introduced tools used in Auto CAD software used for drawing and designing Civil Engineering structures. Students were familiarized with the basic tools employed in the software. 2nd day onwards trainers gave awareness on basic concepts of planning and designing of buildings in accordance with Kerala Building rules and National building code. At the end of the workshop the students came up with general concepts of Civil engineering drawing and general principles of Auto CAD.

Each student participated in the workshop were able to get hands-on training in the software The session was concluded with a valedictory function, in which **Mr.Akarsh Thekkedath** (HOD, CE Dept.) awarded the certificates to participants.

The Civil Engineering Department would like to express their sincere gratitude to the respected Principal **Dr S P Subramanian** for providing an opportunity to conduct the internship in college and also grateful to all the teaching and non-teaching staff in **CE Department** and management of RCET for providing all the support and facilities for the smooth conduct of the programme.

EXPENDITURE

Total Amount Collected as registration fee:- Rs. 8400.

Sl No.	Item	Amount
1	Certificates	800
2	Refreshment	1417
3	Others	400
Total		2617
Balance		5783

INTERNSHIP PROGRAMME
2018 CE STUDENTS
Civil Engineering Design and Drafting

Report Prepared by:

Ms.Snigdha V K (AP/CE)

FIVE DAY INTERNSHIP PROGRAM
## ON
PCB DESIGN AND FABRICATION, CIRCUIT STIMULATION TOOLS AND PYTHON

Department of Electrical and Electronics Engineering conducted a five day internship program on PCB Fabrication, soldering practice, Circuit stimulation tools and introduction to python programming during 16th -19th of July 2019. Total of 15 students from both 2nd and 3rd year of EEE department participated in the workshop. The session was handled by Vishnu T and Delwin Joseph, students of S7 EEE and coordinated by Miss. Neethu K S, assistant professor of EEE department , RCET.

The 1st day of internship started at 9:30am on EEE department. A short introduction on the need and necessity of practical knowledge to empower the quality of engineering was taken by Mr. Vishnu T and followed by tips and ideas to do so. Later on familiarized the basic electronic circuits and practiced soldering with required components.

On the second day students were introduced with printed circuit board and how to do its design and fabrication. To get more on the topic, schematic drawing and PCB layout of circuits using software like PROTEUS were discussed. And everyone practiced circuit stimulation using PROTEUS to make sure what they learned.
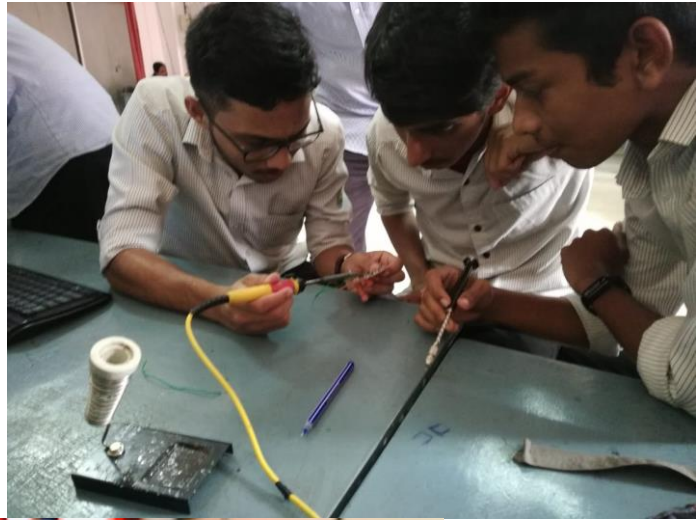
Day 3 focused mainly on familiarization of board etching with required necessities and designed a simple electronic circuit board by using software mentioned above. This made the session more interacting and interesting as students got down to more practical side. With help of the session handlers, each and every one participated got the required output and knowledge on that.

Last two days of the workshop was initiated on introduction to PYTHON programming language. Required software was installed and with the help of python full learning course video on YouTube, Mr. Vishnu T (S7 EEE) described the features and ideas on python in simplest way so that everyone can understand the depth even without much previous knowledge on computers and programming.

As the last day of the session, every one wrote their suggestions and feedback from their experience on those days. With a great pleasure and a sort of fulfillment, students thanked everyone who handled and coordinated the session.

REPORT ON MOTIVATIONAL TALK (RAIM)

DepartmentofElectricalandElectronicsEngineeringconductedaMotivational talk to S6 EEE Students on 22nd July 2019, Monday. The session was handled By Mr.Jasim ,a former student from EEE Department of Royal College of Engineering and Technology. He is currently working in biomedical field Dubai.

The presenter itself was being a source of motivation to the students and also shared about his professional experience. He encouraged everyone to be a quality engineer and the importance of a quality engineer in the society.

He discussed about confidence or to be fearless in order to recognize a person in the society and to be successful one. Then he said about ambition or aim, as how the electrical branch is connected with other sectors and their opportunities. Then finally regarding 'Team work' or to be in unity. He also encouraged the practical knowledge rather than the oral aspects, by asking some interesting questions. Then he discussed about the international marketing and the current strategies along with his experience.

The talk was really motivating, interesting and marked a foot print to the listeners. Mr. V K Haridas, Assitant Professor of EEE department also addressed the students and handover a memento to the resource person. Good feedback was given by the students

Royal College of Engineering & Technology Akkikavu

Department of Electronics & Communication Engineering

Two Day Workshop on "Document Typesetting and Processing using LaTeX"

Date: 18th &19th July 2019
Venue: Royal College of Engineering & Technology, Akkikavu
Participants: Students from ECE & AEI department

Report

Department of Electronics and Communication Engineering (ECE) in association with IE, conducted a two days workshop on "**Document typesetting and processing using LaTeX**", during 18th &19th July 2019. The students from Electronics and Communication Engineering (ECE) and Applied & Instrumentation Engineering (AEI) departments participated in the program.

The sessions were handled by Ms. Nikitha V P., Ms. Savitha Vasudevan and Mr. Shehin A U, Assistant Professor's of ECE department, RCET.

Day-1(18/07/2019):

The session started after registration at 9.30am. After registration at 9.30am the first session began with a brief introduction to LaTeX software. Students were familiarized with the basic commands used in the software. They were eager to do some exercises using these commands.
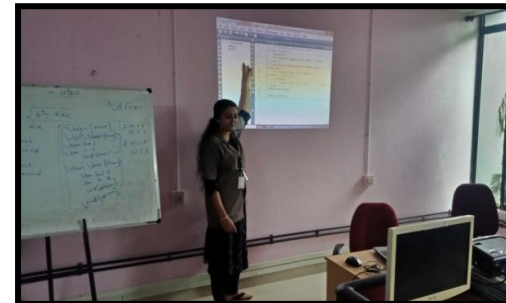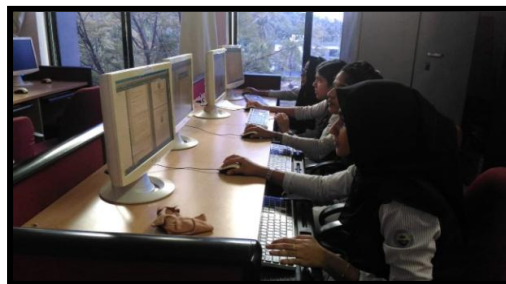
Day-2(19/07/2019):

Second day**,** students learned various stages of document preparation. The session mainly dealt with techniques to insert figures, tables and equations in documents. At the end of the session participants were made to write a formal letters and reports using LaTeX.

The valedictory function was conducted at 3.30pm on the second day. Mr. Sreeraj R, HoD CSE, distributed the certificates of participation to students. He appreciated the students and coordinators for hosting such a program and explained the importance of conducting frequent workshop's to enhance the potential of students. Mr. Krishnakumar R., HoD ECE, Appreciated all who contributed for the success of the program through his felicitation speech.

INTERNSHIP PROGRAMME – JULY 2019

Department of Computer Science and Engineering in association with VOICE, CSE Department association, conducted an internship programme for Third semester students (2018-22 batch) of the CSE Department during 24th and 25[th]of July 2019 (2 days). A total of 30 students participated in the training programme. The internship was on "Introduction to JAVA programming". The resource persons were from LXI technologies Pvt Ltd coordinated by Riyadh M and Ihsana Muhammed P.

The sessions were informative and students got knowledge in Java programming concepts and Database manipulations. On each day the students were given exercise on that day's topics.

The schedule and details of internship is given below

TIME	10 :00 to 11:00 AM	11:00 AM to 12:00 PM	12:00 to 1:00 PM	1:00 to 3:00PM	3:00 to 4:00 PM
DAY 1	INDUCTION CAMP	JAVA CODE CAMP	Lunch Break	JAVA CODE CAMP	
DAY 2	JSP SERVLETS CODE CAMP	DATABASE CODE CAMP		DATABASE CODE CAMP	

Report on ENABLE Program - SDPK

Topic: Enable program – Employability Skills
Venue: SDPK lab 417
Date: 22nd July – 6th August
Number of Participants: 30
SDPK Enable Program was a 30 hour skill training session on pre-placement training though CISCO'c Tele-presence system provided by Govt. of KERALA. It had 3 phases.

- Self-paced Learning – students have to learn by themselves by reading and going through the materials and books and also through LMS
- Live learning - through live classroom sessions through the platform
- Assisted Learning - with the help of teachers in the respective institutions. Help of ICT academy team can be availed for completing the activities, assignments and other hands on activities.

Topics Covered
Day 1(22-7-19)

Session started by inaugural session by Manoj A. S - Senior Knowledge Officer - ICT Academy of Kerala. He explained about Program Orientation. Aptitude Self-learning started shortly after the first session through LMS (Learning Management System) platform.
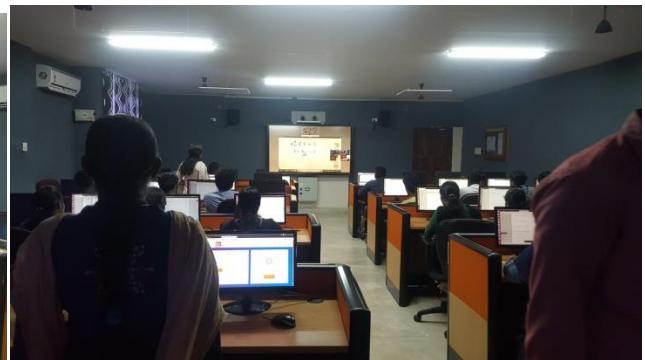
Day 2(23-7-19)

Creativity & Problem Solving
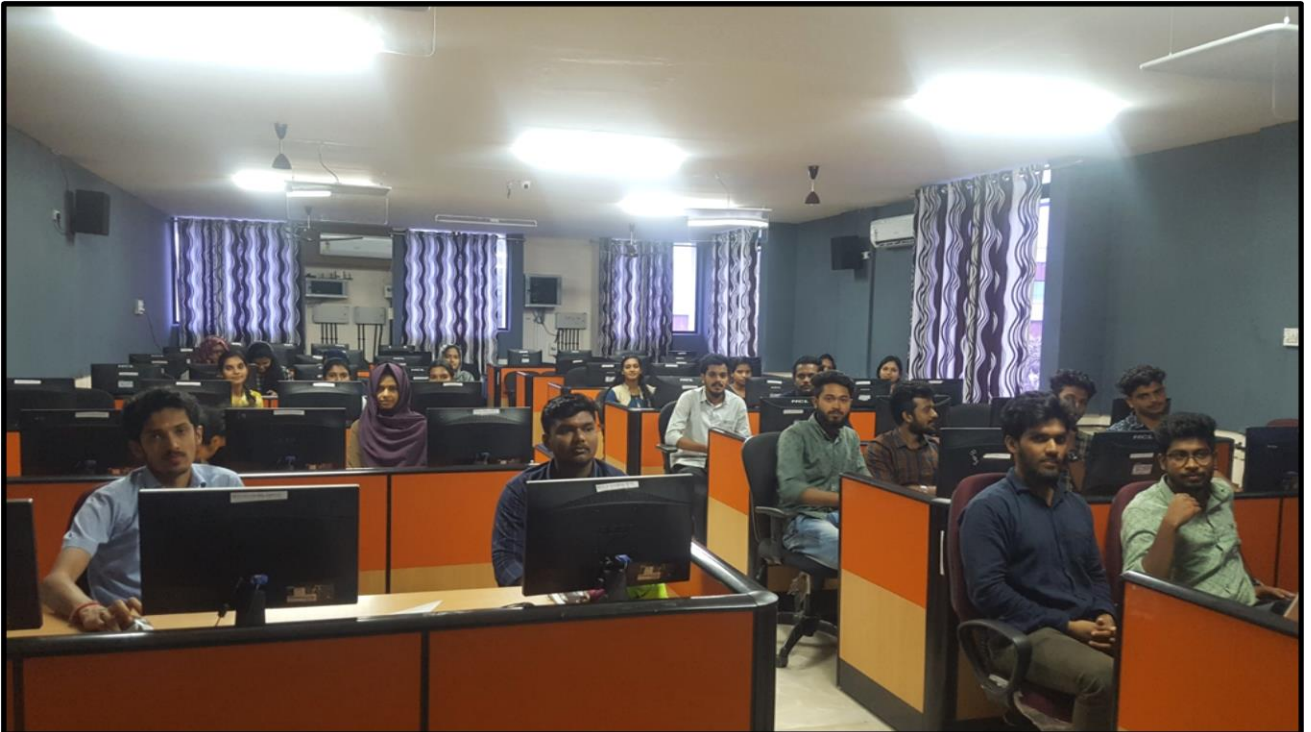
Day 3(24-7-19)

Communication Skills
Project Management using Trello

Day 4(25-7-19)

Quantitative Aptitude & Logical Reasoning #01
Resume Preparation
Social Profiling

Day 5(26-7-19)

Quantitative Aptitude & Logical Reasoning #02
Best Coding Practices
Intermediate Assessment

Day 6(29-7-19)

Quantitative Aptitude & Logical Reasoning #03
Group Discussion

Day 7(30-7-19)

Quantitative Aptitude & Logical Reasoning #04
Coding on HTML, CSS
Intermediate Assessment

Day 8(1-8-19)

Interview Skills
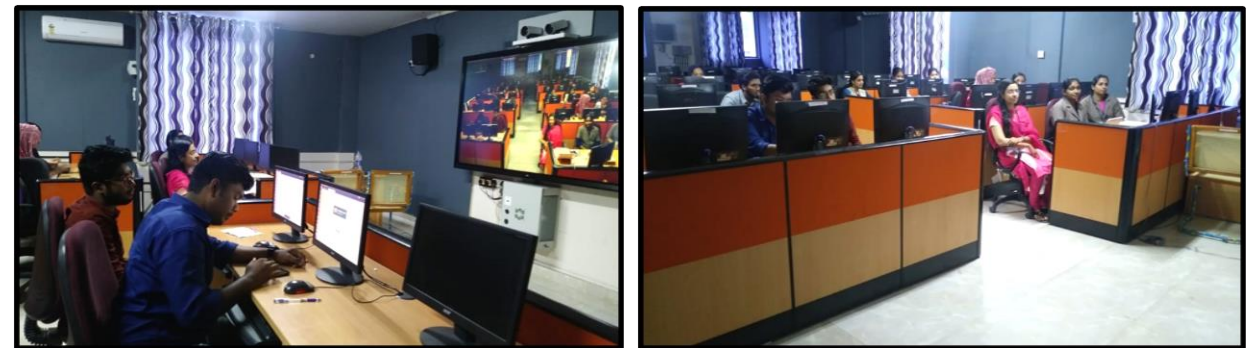Quantitative Aptitude & Logical Reasoning

Day 9(2-8-19)

Verbal Reasoning

Day 10(5-8-19)

Verbal Reasoning
 Final Assessment

Day 11(6-8-19)

Version Control Using GitHub
Final assessment

Royal College of Engineering & Technology, Akkikavu
KERALA BLOCKCHAIN ACADEMY INNOVATION CLUB
One Day Workshop on "BlockChain Technology"

Date: 27 September 2019
Venue: Room No : 417, SDPK Lab, RCET

Report

Kerala Blockchain Academy Innovation Club (KBAIC) of RCET in association with Kerala BlockChain Academy sponsored by IIITM-K, conducted a One day workshop on BlockChain Technology on 27th September 2019. 42 students from CSE and ECE department of our college participated in this event.

The Resource persons are Mr. Franklin John, Research Engineer and Mr. Sabir, Research Fellow of Kerala BlockChain Academy. Mr.Franklin handled the morning session with Topic, "BlockChain, BitCoin and Ethereum". Mr.Sabir handled afternoon Session, which is a hands-on-session on Prototype of Ethereum, MetaMask wallet.

Mr.Nowshad M U, AP CSE coordianted the event.

Report On RedHat Academy Day @ RCET

As a part of the opening ceremony of RedHat Training Partner program in our institution, department of CSE in association with RACE and Vidya IT division organized REDHAT ACADEMY DAY on 29-10-2019 at 11 am in Seminar Hall. Ms. Sindhu Karunakran, Technical Consultant, RedHat academy has graced the occasion as the Chief Guest. The program started with welcome address by Mr Sreeraj R (HOD, CSE). The Hon'ble Principal of the institution Dr. S P Subramanian delivered the presidential address. The inaugural speech was delivered by the chief guest, Ms. Sindhu Karunakaran. Mr. V P Salim (Chief Executive Officer, RCET) and Dr. Devi V Balakrishnan (IQAC Director, RCET) also addressed the gathering. The gifts were distributed to the RHCSA certified students of our college by RedHat academy. 21 students from our college successfully cleared RHCSA certification. They were the first batch of redhat course conducted in RCET. In the end, Ms. Prajitha M V (AP, CSE) offered a vote of thanks.

After the inaugural program, a technical session was handled by the chief guest Ms.Sindhu Karunakaran on the topic Confidence Comes from Knowing More (About REDHAT). The session was very informative.

RedHat Academy Training program in our college offers courses such as RHCSE and RHCE

DEPARTMENT OF CIVIL ENGINEERING

INTERNSHIP PROGRAMME

Three days Internship on *Civil Engineering Design and Drafting*

The *Department of Civil Engineering* conducted three days internship on *Civil Engineering Design and Drafting* for first year students (2019 – 23 batch) of Civil Engineering from **30th of** December 2019to 1st January 2020. The programme was conducted under the guidance of *Mr. Shoy T.S, Mr. Sabith K* and *Ms. Athira Premkumar* (**Assistant Professors, CE Dept.**). They were also assisted by *Ms. Sreeja P V and Ms .Swathy Sagran* (Lab Instructors, CE Department). A total of 20 students attended the programme.

On the first day the trainers introduced tools used in Auto CAD software used for drawing and designing Civil Engineering structures. Students were familiarized with the basic tools employed in the software. 2nd day trainers gave awareness on basic concepts of planning and designing of buildings in accordance with Kerala Building rules and National building code. At the end of the workshop the students were given a task of drawing a plan with the given constraints.

Each student participated in the workshop were able to get hands-on training in the software The session was concluded with a valedictory function, in which *Smt. Shaina Beegam N* (HOD, CE Dept.) and *Shri. Naseer Yunus* (Associate professor CE department, Placement officer RCET) awarded the certificates to participants.

The Civil Engineering Department would like to express their sincere gratitude to the respected Principal *Dr. S P Subramanian* for providing an opportunity to conduct the internship in college and also grateful to all the teaching and non-teaching staff in **CE Department** and management of RCET for providing all the support and facilities for the smooth conduct of the programme.

EXPENDITURE

Total Amount Collected as registration fee: - Rs. 3000.

| Sl No.	Item	Amount
1	Certificates	560
2	Refreshment	560
3	Others	50
Total		1170
Balance		1830

Report Prepared by:

(AP/CE)

DEPARTMENT OF MECHANICAL ENGINEERING

INTERNSHIP PROGRAMME

The Department of Mechanical Engineering conducted three days internship on **Evolution of Mechanical Engineering** for first year students (2019 – 23 batch) of Mechanical Engineering from 30/12/2019 to 01/01/2020. Nineteen students attended the internship program. Various topics were discussed and hands on sessions were conducted during the training period. Program ended with brainstorming session which gave a platform for students to think, create and deliver their ideas on modern developments.

Topics	Resource Person
Evolution of Mechanical Engineering	Mr. Ibish T Sunny & Mr. Dileepan Balakrishnan
Hands on session - Manufacturing Processes	Mr. Sandeep K A & Mr. Ablilash K K
Introduction to I.C. Engines	Dr. R.Umesh Sundar HoD, ME
Introduction to CADD	Ms.Aghana & Mr.Sree Hari
Introduction to Engineering Cycles	Mr. Sreenivasa Prashanth
Brainstorming	Mr.Raison Joy & Mr.Yoosaf P P
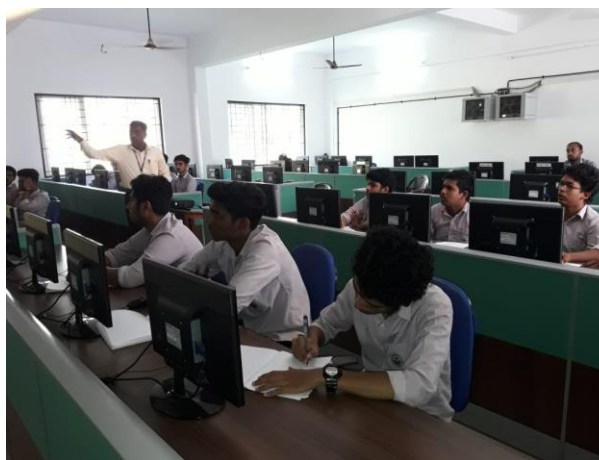
INTERNSHIP PROGRAM FOR FIRST YEAR STUDENTS

A three day soft skill program wasconducted for first year students (2019 – 23 batch) as a part of internship program from 30/12/2019 to 01/01/2020 for CSEstudents and from 03/01/2020 to 07/01/2020 for ECE, EEE, ME and CE students.Forty five students from CSE, fifteen students from CE, five students from ME, ten students from ECE and four students from EEE attended the program. The main aim of the program was to build confidence and communication skill among students. The program also helped the students to understand the current employment details. Details of various sessions are as follows:

DATE	SESSION	DEPT.	TOPICS	RESOURCE PERSON
30/12/2019	FN	CSE	21st Century Skills	Ms. Hasba Hamza Chief career coach Hashtac
	AN		Confidence Building	Mr. Yoosaf P P AP/ME
31/12/2019	FN	CSE	Let's Talk	Mrs. Anju Sam AP/EEE
	AN		Importance of Team work	Mr. YasirMoidutty, AP/ECE Mrs. Fasna K K AP/ECE

01/01/2020	FN&AN	CSE	Get Ready for Employment	Mrs. Able Alex AP/EEE
03/01/2020	FN	ECE,EEE,ME,CE	21st Century Skills	Ms. Hasba Hamza Chief career coach Hashtac
04/01/2020	FN	ECE,EEE,ME,CE	Get Ready for Employment	Mrs. Able Alex AP/EEE
06/01/2020	FN&AN	ECE,EEE,ME,CE	Let's Talk	Mrs. Anju Sam AP/EEE
07/01/2020	FN	ECE,EEE,ME,CE	Impact of mobile phone on students' life	Mr. Pradosh Kumar P AP/AEI
	AN	ECE,EEE,ME,CE	Technical Quiz	Mrs. Shefina Ashraf AP/ECE