

SCHOOL OF PHARMACY

REPORT

ON

APTITUDE AND REASONING CLASSES

Training and placement cell, NNRGSOP has organized a training program on Aptitude and Reasoning for II yr students by Ms. Bhargavi on 3rd and 4th March 2023 in association with Telangana Academy for Skill and Knowledge (TASK) at seminar hall, School of Pharmacy, NNRG.

About TASK: Telangana Academy for Skill and Knowledge was established by the Govt. of Telangana for enhancing skilling synergy among institutions of Government, industry and academia. It is a nonprofit organization with an objective of offering quality human resources and services to the industry by granting access to the students to modules of enhancing their technology, personal and organizational skills at highly subsidized rates. Through TASK students are trained extensively in latest technology to help companies find the right candidate.

About the Speaker: Ms. Bhargavi is an Aptitude and Reasoning trainer with an experience of 3.2 years in training degree, pharmacy, and engineering graduates who appear for interview and competitive examinations and HR professional with a cumulative experience of 4 yrs as HR recruiter and 1yr experience as MS coordinator, and have a basic knowledge on payroll processing. Madam has an extensive value added recruiting experience by understanding clients HR issues, recruiting goals, work culture, strategic and organizational structure. Madam has highly analytical and professional, with demonstrated ability to identify complex business problems, formulation solutions, and build long term relationship.

Madam has started her career in the organization Airtel Digital TV as MS coordinator from April 2013 to March 2014. Then worked for Srivis Manpower services as Human Resource Recruiter from July 2014 to July 2015. Then joined Accinford Technologies as HR consulting and worked from August 2015 to July 2018. At present madam is working for Telangana Academy for Skill and Knowledge working as A&R Trainer to train the candidates in respective fields from January 2020.

Summary of the program:

The session has started with an introductory talk by Dr. Krishnamohan Chinnala sir, Dean school of Pharmacy. Sir has mentioned about the importance of Aptitude and Reasoning to the present generation. Then Training and Placements coordinator NNRGSOP, Mr. S Raja Shekhar continued the introductory talk by encouraging students to take active participation in the session, which will help overall development of the students. Then introduced the speaker to the audience by reading out madam's profile and then madam has started the session.

On day one, madam has chosen the topics of Reasoning like coding and decoding (both verbal and numerical), Number series, Alphabet series, directions, blood relations, clocks, calendars and dices. She taught the students all the tricks and shortcuts to solve the questions of each topic in such a way that all the students felt very easy to solve the questions. The order of questions madam has chosen was from very easy at the starting to tough by the ending so that the students understand well about each topic in a constructive manner. Madam gave good number of questions for practice purpose to the students so that they get a good practice on each topic. On day two, madam took classes on Aptitude and the topics covered were number systems, time speed and distance, time and work and ratios & proportions. The topics were taught in a very simple and effective manner so that students understood clearly and were able to solve the problems.

TASK session by Ms. Bhargavi Bodge on A&R was very informative and interesting so that all the students got a good knowledge and practice in solving various topics of Aptitude and Reasoning. Students felt very thankful to the management and Dean School of Pharmacy for conducting such training session in association with TASK. At the end of day two, dean sir addressed the gathering and gave vote of thanks to the trainer.



Training and Placement coordinator, NNRGSOP, Introducing the speaker to the students.



Ms. Bhargavi madam taking training session



Dean, NNRGSOP, giving vote of Thanks.


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NNR School of Pharmacy
Nalla Narasimha Reddy Education Society's
Group of Institutions
Chowdariguda, Korremula X Roads,
Ghatkesar Mandal, Medchal Dist-500 088

DEAN SOP

SCHOOL OF PHARMACY

REPORT

ON

APTITUDE AND REASONING

Training and placement cell, NNRGSOP has organized a training program on Aptitude and Reasoning for II yr students by Mr. B. Bhaskar on 6th and 7th March 2023 in association with Telangana Academy for Skill and Knowledge (TASK) at seminar hall, School of Pharmacy, NNRG.

About TASK: Telangana Academy for Skill and Knowledge was established by the Govt. of Telangana for enhancing skilling synergy among institutions of Government, industry and academia. It is a nonprofit organization to offer quality human resources and services to the industry by granting access to the students to modules of enhancing their technology, personal and organizational skills at highly subsidized rates. Through TASK students are trained extensively in latest technology to help companies find the right candidate.

About the Speaker: Mr. B. Bhaskar is an Aptitude and Reasoning trainer with an experience of 7 years in training degree, pharmacy, and engineering graduates who appear for interview and competitive examinations and cumulative experience of 15 yrs in the field of teaching for competitive examinations. At present sir is working as a Senior Trainer in TASK.

Summary of the program:

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On day one, sir has chosen the topics of Reasoning like Number series, coding and decoding, Alphabet series, directions, blood relations, clocks, calendars and dices. He taught the students all the tricks and shortcuts to solve the questions of each topic in such a way that all the students felt very easy to solve the questions. Sir gave good number of questions for practice purpose to the students so that they get a good practice on each topic. On day two, sir took classes on Aptitude and the topics covered were number systems, time speed and distance, time and work and ratios & proportions. The topics were taught in a very simple and effective manner so that students understood clearly and were able to solve the problems.

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very thankful to the management and Dean School of Pharmacy for conducting such training session in association with TASK. At the end of day two, dean sir addressed the gathering and gave vote of thanks to the trainer.

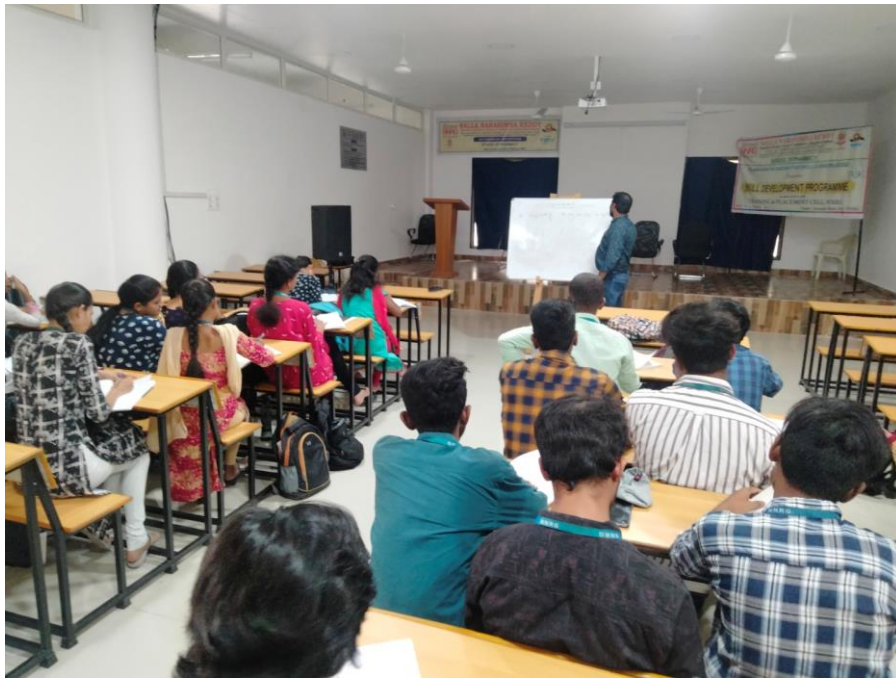
Dean, School of Pharmacy, NNRG, introducing speaker to the students.



Dean, School of Pharmacy, NNRG, introducing speaker to the students.



Mr. B. Bhaskar taking A&R classes



Mr. B. Bhaskar taking A&R classes


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SCHOOL OF PHARMACY

REPORT

ON

TRAINING PROGRAM ON INTERVIEW SKILLS

Training and placement cell, NNRGSOP has organized a training program on Interview skills for the Final Year B.Pharmacy 20th April 2023 in association with Telangana Academy for Skill and Knowledge (TASK) at seminar hall, School of Pharmacy, NNRG.

About TASK: Telangana Academy for Skill and Knowledge was established by the Govt. of Telangana for enhancing skilling synergy among institutions of Government, industry and academia. It is a nonprofit organization with an objective of offering quality human resources and services to the industry by granting access to the students to modules of enhancing their technology, personal and organizational skills at highly subsidized rates. Through TASK students are trained extensively in latest technology to help companies find the right candidate.

About speaker: Mr. Raghu Duth Degla, the trainer of the present program has a proven track record of excellence in providing campus recruitment and employability skills training with focus on delivering solutions to the graduates. Sir is a “change agent” and problem solver with a passion for training. Sir has excellent interpersonal, communication and organizational skills with abilities in team management and planning. Sir’s areas of work include planning and facilitating programs, people management, classroom management, neuro-linguistic programming practitioner and many more.

Sir has started his career as a campus recruitment trainer for COIGN Consultant Pvt. Ltd. From June 2010 to April 2013. Sir worked as teaching fellow for the organization ‘Teach for India’ from June 2013 to Dec. 2013. Sir then worked as Team Lead in soft skills department in COIGN consultant in the year Jan.2014 to Sep. 2016. Sir then joined TASK as a professor of practice during July 2016 to Dec. 2017. Sir is now working as freelancer as mental toughness coach, soft skills trainer from 2018, sir is a founder of the organization “The good talk factory” (NPO), a consultant trainer at TASK and founder and CEO of the organization Kaiteki Innovations Private Ltd. a product-based startup at Hyderabad.

Summary of the program:

The session has started with an introductory talk by Dr. Krishna Mohan Chinnala sir, Dean school of Pharmacy. Sir has mentioned about the importance of Interview skills to final year students as they are getting chances of various job interviews. Then TPO Mr. Srikanth continued the introductory talk by encouraging students to take active participation in the session, which will help overall development of the students, and then Raghu sir has started the session.

Sir taught students in detail about how to present themselves before the interview panel, starting from dressing sense to facing interview questions from the experts in the panel. Sir explained

that an effective communication skill plays a vital role in the selection process. Sir emphasized the importance of resume writing, presentation skills, eye contact and confidence during facing the interviews. The one-day training session was felt so interesting and informative by the students that they enjoyed the total session and participated in every task given by the sir during the session. Sir has also taken the mock interview with the few students and asked the feedback from the other students about the performance of the students in the mock interview. At the end Dr. Krishna Mohan Chinnala sir, dean of school of pharmacy, NNRG taken the feedback from the students about the session and gave a vote of thanks to the speaker.



Dean, School of Pharmacy, NNRG, introducing speaker to the students.

SCHOOL OF PHARMACY

REPORT

ON

“INDUSTRIAL VISIT-I”

An Industrial Visit-I 2022 to **PROGENERICS PHARMA PVT.LTD.**, Export Promotion Industrial Park, Pashamylaram, Medak Dist was organized by the Nalla Narasimha Reddy Education Society's Group of Institutions, Hyderabad, **School of Pharmacy** on Monday, December 12, 2022. 51 members of Students from the school of pharmacy with two faculty members B.Krishna and A.Sahithi visited. They interacted with the pharmaceutical industry to understand different departments and processes of pharma industries with novel approaches. During this visit, students were very eagerly waiting for listening to industrial higher authorities.

It is a research-based formulation development company delivering a wide range of products for the generic industry. It aims to be a Leading provider of cost-effective pharmaceutical out-sourcing services to global health care.

Progenerics Pharma is focused on developing high-quality affordable generic products for global markets. Our teams are equipped with full-fledged laboratories and aim to develop new forms with high-added value and niche generic products.

We work to perform R&D activities in compliance with all ethical and legal principles in a manner to meet the expectations of the concerned authorities; prove that the safety, efficacy, and quality of the products do not change throughout the shelf life, increase product accessibility, develop sustainable methods to increase efficiency.

The operating principle requires product quality to meet current standards, and find new formulations, new dosage forms, and different routes of synthesis and/or new polymorph methods that do not infringe patents for raw materials.

Our long-term goal is to become a pioneer in developing generic drugs, create a difference by developing products with added value, to continue to develop products for regulated markets, invest in our future by adapting new technologies to our company, develop products with high value by means of cooperation between universities and the industry, and ensure protection of our rights by patent registration.



Speaker Taking Classes to the Students



Dean, NNRGSOP, giving a vote of Thanks.


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DEAN SOP



NALLA NARASIMHA REDDY

Education Society's Group of Institutions - Integrated Campus

Near Narapally, Chowdariguda (Village), Korremula 'X' Road, Ghatkesar (Mandal), Medchal District, Hyderabad - 500 088, Telangana.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 10-07-2023

Academic Year: 2022-2023

Activity: Workshop on "Design of IoT Applications"

Consolidated Report

As per the schedule in the department's academic plan, a Workshop on "Design of IoT Applications" was conducted from 03-07-2023 to 07-07-2023 for II-year Students. A total of 101 students have actively participated in workshops conducted on Arduino and Raspberry Pi kits. **Mr. Surendra Babu, Head of Operations TLC Group & his team** are the resource persons for the workshop.

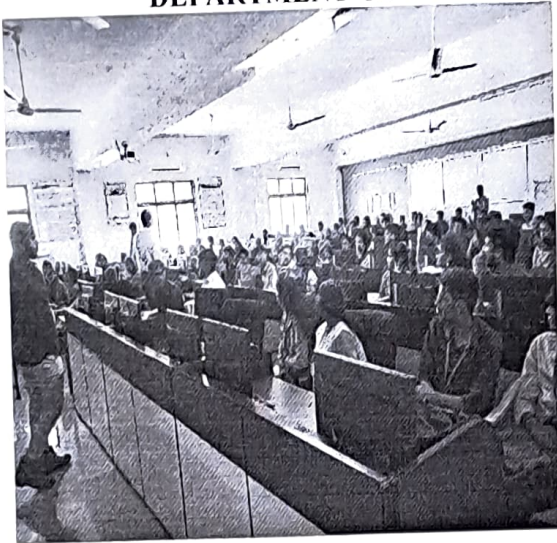
Day 1 (03-07-2023): Inauguration of the Workshop started at 10:00 AM, Dr. K. Rameshwaraiiah – Head CSE, guided the importance of IoT in our day-to-day life. Then the introduction of the trainer profile followed by starting the session.

The trainer continued with the session topic of Introduction to Embedded Systems, Microcontroller Architecture, Microprocessors and Microcontrollers, Basic Programming Languages, and C vs Embedded C, in the Forenoon Session.

In the Afternoon Session started with the Introduction to Arduino, the Family of Arduino Boards, Pin Configuration of Arduino UNO & MEGA, Basic Programming Tools Operations, Power Supply Designing, and LED interfacing.

	NALLA NARASIMHA REDDY Education Society's Group of Institutions-Integrated Campus (Approved by AICTE & PCI, New Delhi & Affiliated to JNTUH, Accredited by NAAC with A+ Grade) Chowdariguda (V), Korremula 'X' Road, Ghatkesar (M), Medchal-Malkajgiri (D), Hyderabad - 500088, Telangana. (UGC AUTONOMOUS INSTITUTION) www.nnrg.edu.in	Accredited by
School of Engineering Department of Computer Science & Engineering <i>Organizing</i> Five-Day Workshop on		
"DESIGN OF IoT APPLICATIONS"		
Date: 03 rd - 07 th July, 2023		Venue: CC-III, 1 st Floor, NNRG

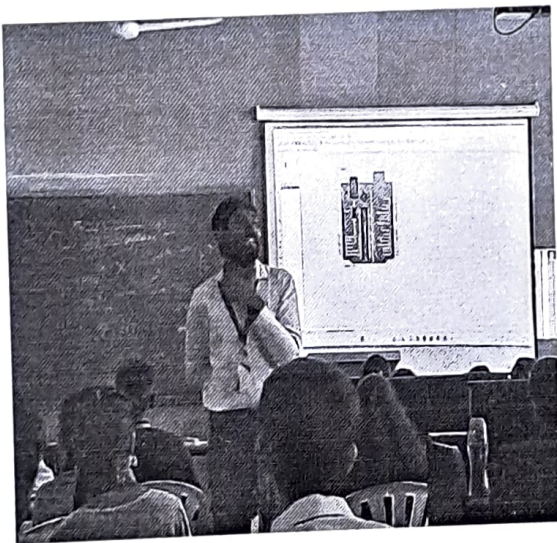
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



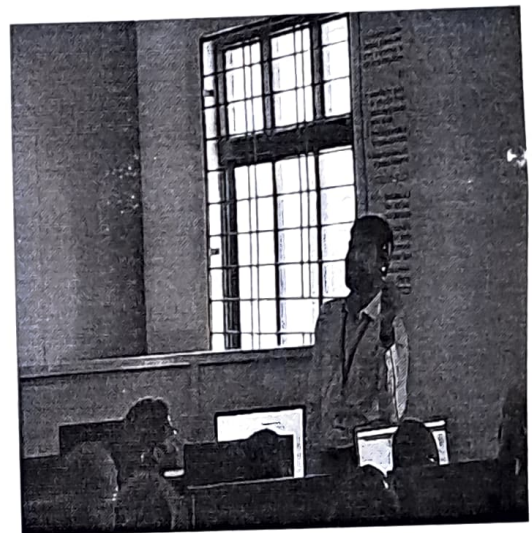
Started the Session With an Introduction to Embedded System



Topic on the Basic Structure of Diodes (Common Cathode & Common Anode)



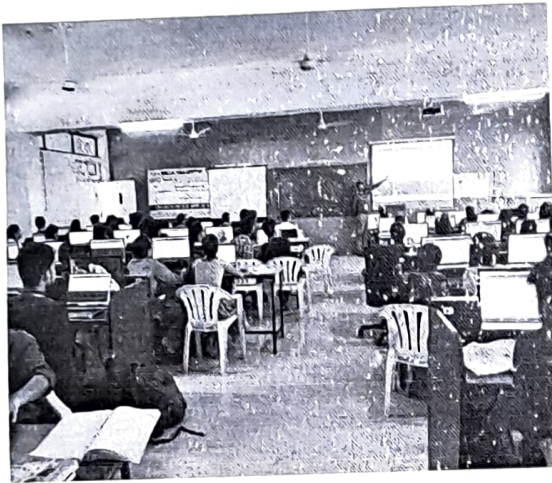
Basic Structure of Arduino Board



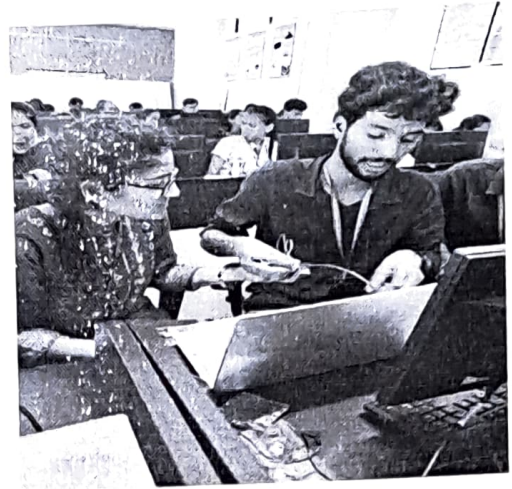
LED interfacing to Arduino Board

Day 2 (04-07-202): Started day 2 at 09:15 AM, and all the students revised & practiced the previous day's topics. Trainer started the topics at 10:00 AM by giving an Introduction to various sensors & buttons used in Arduino like the Switch / Push button, IR Sensor, LDR Sensor, and Gas Sensor in the Forenoon Session with Simulation and Hands-on Experience.

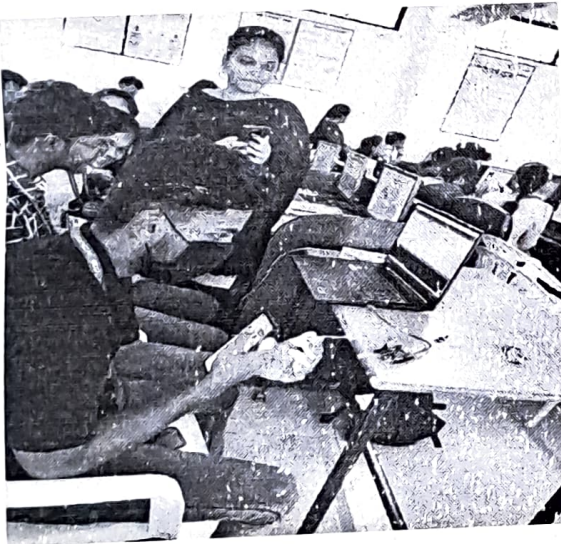
In the Afternoon Session started with DHT11 Sensor, Ultrasonic Sensor, Motors, Bluetooth, and Serial Terminal with Hands-on Experience.



Trainer Explaining Various Sensors



Students Connecting Arduino Kit

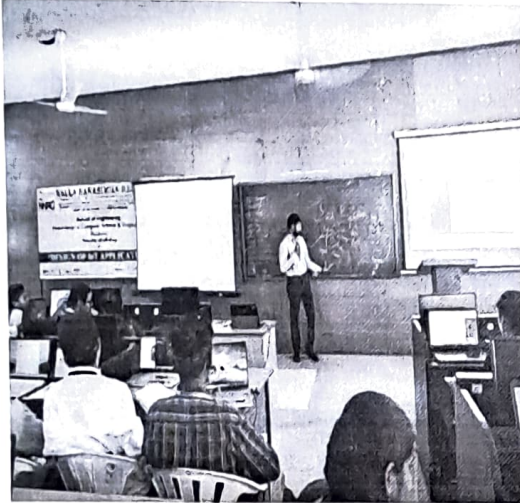


Students Verifying the Output for Various Sensors

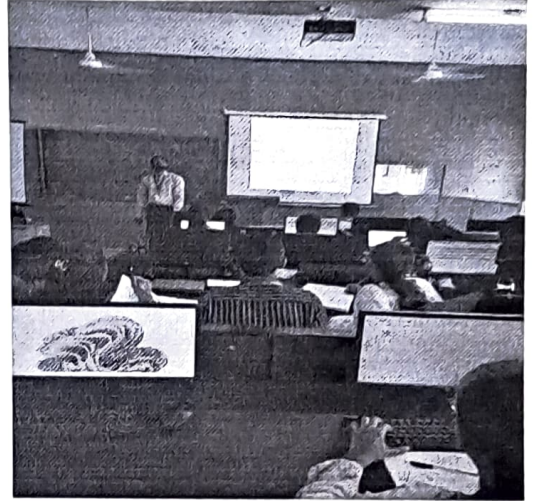
Day 3 (05-07-202): Started day 3 at 09:15 AM, and all the students revised & practiced the previous day's topics. Trainer started the topics at 10:00 AM by giving an Introduction to Python Programming and made all the students practice programs on Python in Colaboratory Software, followed by an Introduction to Raspberry Pi Kit, Download & Installation of Software into a memory card, and how to run OS of Raspberry Pi in the Forenoon Session with Hands-on Experience.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

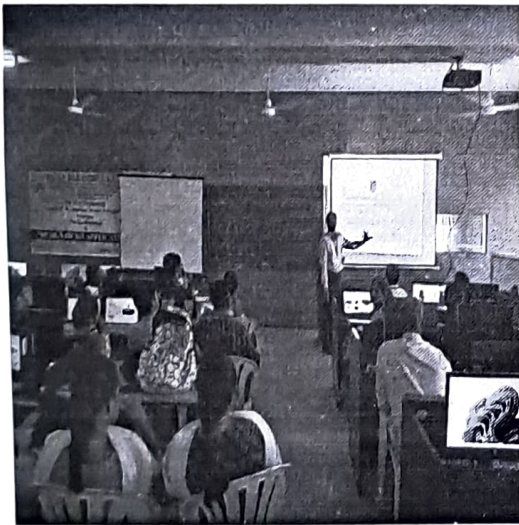
In the Afternoon Session, all students practiced the various program in Raspberry Pi and connected various Sensors to the Kit with Hand-on Experience.



Trainer Explaining Concept of Python



Students Practicing Python Programs



Installation of Raspberry Pi



Practicing Installation of Raspberry Pi



Students Executing the Program

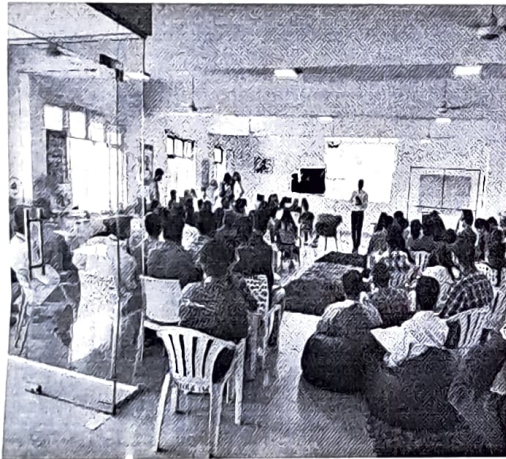


Students Explaining the Output

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Day 4 (06-07-202): Started day 4 at 09:15 AM, and all the students revised & practiced the previous day's topics. Trainer started the topics at 10:00 AM by revising the previous day's topics and started Introduction to IoT and explaining about interfacing sensors of Raspberry Pi, LED Sensor, Switch / Push Button, IR Sensor, LDR Sensor, Gas Sensor, DHT11 Sensor, Ultrasonic Sensor in the Forenoon Session with Hands-on Experience.

In the Afternoon Session, all the students practiced various sensors and IoT platform of Thingspeak where they can monitor all the data by seating in various locations with Hands-on Experience.



Trainer Explaining Various Sensors



Students Having Discussion



Students Discussing Output

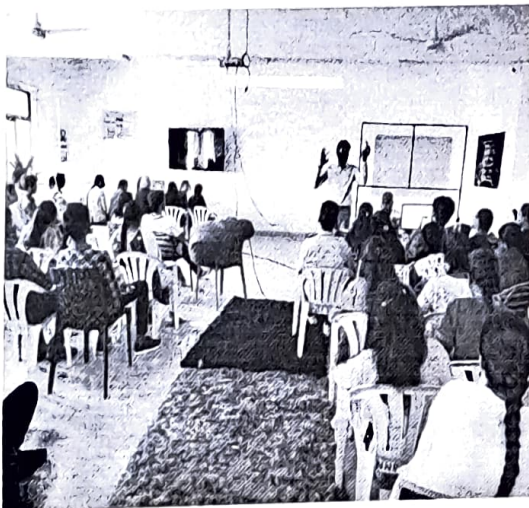


Students Explaining Output to Trainer

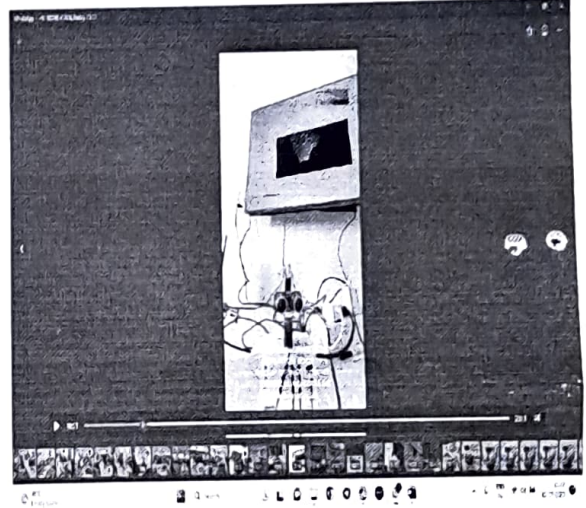
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Day 5 (07-07-202): Started day 5 at 09:15 AM, and all the students revised & practiced the previous day's topics. Trainer started the topics at 10:00 AM by revising the previous day's topics and giving real-time examples and told students to show output by using the Motors and Ultrasonic Sensors in the Forenoon Session with Hands-on Experience.

In the Afternoon Session, all the students explained the assigned work done by them to the trainers, and faculty and had a discussion among them.



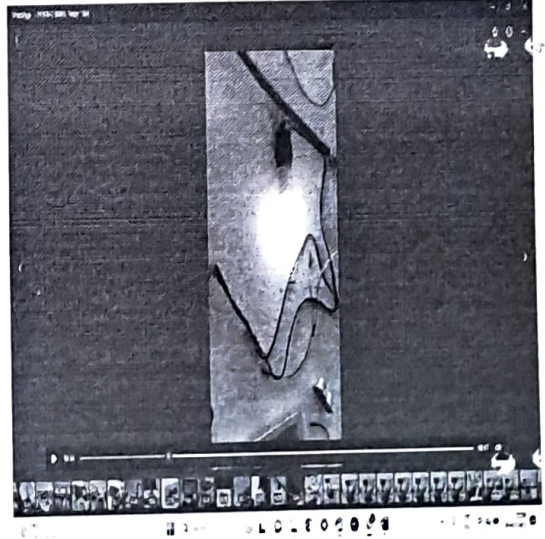
Students Discussing Output



Students Explaining Output to Trainer



Executed Output through Motors & Ultrasonic



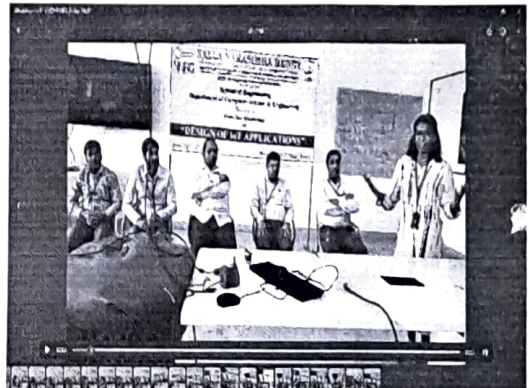
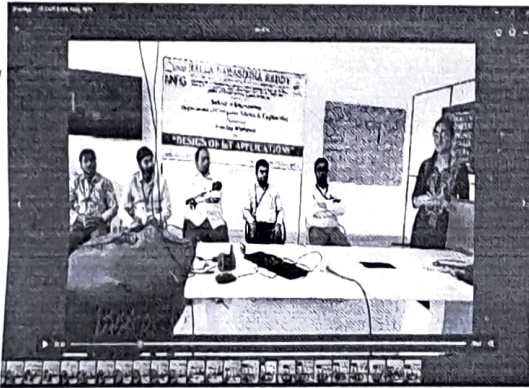
Executed Output of Bulb through Bluetooth Sensors, Motors & LED

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Valedictory Photos



Dr. K. Rameshwaraiah, Head-CSE presenting memento to Surendra Babu. P



Feedback about 5-Day Workshop from Students



Distribution of Participation Certificates


Faculty Coordinator


HEAD-CSE

Nalla Narasimha Reddy Education Society's Group of Institutions
Integrated Campus - School of Engineering
(Autonomous)
Department of ECE

A Report on
One Week Workshop on Hands-On Training in VLSI Design
(17th October to 22nd October 2022)

Department of ECE successfully conducted one week workshop on hand-on training in VLSI Design for 4th B.Tech students on 17th October to 22nd October 2022. The aim of this workshop is to provide an overview on EDA tools for VLSI design to the participants. The workshop will comprise of live demonstration of tools and lectures delivered by Department faculty on platforms like Xilinx Vivado and Cadence Virtuoso.

The participants will have exposure to the state-of-the-art semiconductor devices to circuit modeling and integrated applications. After finishing this workshop, the participants will be able to execute the various analysis needed to characterize devices and circuits individually.

Total 40 students were registered for the workshop and participation certificate for all 40 issued by college.

Dr. Rajasekhar Turaka and Dr. Hariprasad Naik worked as Faculty Coordinators for the workshop.

Day-1:

After inaugural session Head of the Department addressed the gathering about the one-week workshop on hand-on training in VLSI Design.

Dr. Rajasekhar Turaka briefed out concepts such as VLSI design Technology, ASIC/FPGA design flow and architectural level optimization techniques such as pipelining, parallelism and retiming. Post lunch session was hands-on Verilog HDL programming.

Day-2:

The day started with the concept of Adders, Multipliers and its applications in VLSI Design. After a small tea break, he explained the design procedure of 64-bit Adder & Subtractor with an example. Afternoon complete session was hands on training on Xilinx Vivado tool.

Day-3:

Third day was very interesting research issues in VLSI Design domain were discussed and after a small tea break, explained the design of 64-bit Vedic Multiplier and 64-bit Vedic Multiply and Accumulate (MAC) based on Vedic mathematics. Afternoon session was hands on training on design of 64-bit Arithmetic Logic Unit (ALU) using Verilog HDL and implemented on Xilinx Artix-7 board.

Day-4:

This day discussion was all about Back-end VLSI Design and CMOS Transistor level designs from scratch. After lunch, he explained the design procedure of basic CMOS circuits such as Inverter, 2-input NAND and NOR in Cadence Virtuoso tool.

Day-5:

The fifth day forenoon session was started with design of various Full Adders and also discussed about delay and power calculations. After lunch, hands on practice on the design of 14T Full Adder.

Day-6:

Day 6 talk was on the concepts of Array Multipliers in forenoon session and afternoon session various case studies were discussed.

In the valedictory session speakers were facilitated and a vote of thanks was presented by workshop coordinator.

Glimpse of the Workshop:







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Integrated Campus - School of Engineering
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Department of ECE

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Glimpse of the Workshop:







DEPARTMENT OF
ELECTRONIC & COMMUNICATION ENGINEERING

A Report on

A 5 Day Workshop on Digital VLSI Design Flow Using Xilinx Vivado

(06th February to 10th February 2023)

Department of ECE successfully conducted 5 day workshop on “Digital VLSI Design Flow Using Xilinx Vivado” for 4th B.Tech students from 06th February to 10th February 2023. The objective of this workshop is to provide an overview on Xilinx Vivado ML Enterprise Edition tools for Digital VLSI design using Verilog HDL. The workshop is a live demonstration of Vivado tools by Mr. Pradeep John as resource person from Apply-Volt.

The participants will have exposure to the state-of-the-art VLSI design &FPGA tools for modeling the integrated circuits. At the end of this workshop, the participants will be able to design, verification, implementation and validation of various digital hardware logic blocks.

Total 25 students and 5 faculty members were registered for the workshop and participation certificates for all 30 issued by the department.

Faculty Coordinators: Dr.B. HariPrasad Naik & Mr. A. Aravind

Day-1:

After inaugural session, Director and Head of the Department addressed the faculty and student participants about the importance of workshop and the use of latest Xilinx Vivado tool for designing the hardware logical blocks.

Resource person from Apply Volt, gave a brief overview on various design abstractions such as gate level, data flow and behavioral using Verilog HDL programming.

Day-2:

The day started with the design and implementation of basic logic gates in Xilinx Vivado tool. Different levels of design abstractions such as structural, data-flow and behavioral models were implemented using Verilog HDL in Vivado. Further, the design procedure for synthesizing the hardware designs was explained.

Afternoon session, a complete hands-on session was conducted for writing a test bench program using Verilog HDL. These test bench programs enable the designer to test or simulate the designed hardware logics.

Day-3:

On day three, concept of multiplexers, decoders, encoders, Adders, Multipliers, and their applications in VLSI design was explained in detail.

Afternoon, a hands-on session was conducted for designing, implementation, synthesis, and verification of hardware sub-systems such as encoders, multiplexers, decoders, adders, and using Xilinx Vivado tool. Realization of a hardware on Xilinx Artix-7 FPGA development board was also demonstrated.

Day-4:

On fourth day, the design procedure for designing a higher order systems such as 64-bit Adder and Subtractor with the concept of VIO (Virtual Input and Output) and ILA(Integrated Logic Analyzer) was explained with an example.

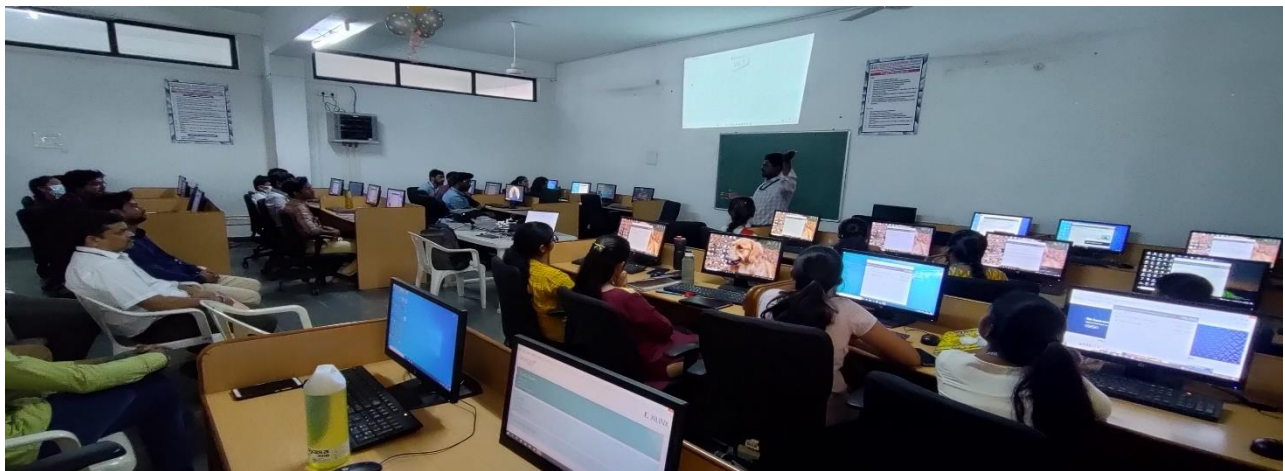
Afternoon, a complete session for hardware realization on Zynq-7000 SoC development board was also demonstrated using Xilinx Vivado tool.

Day-5:

On fifth day; concept and usage of Intellectual Property (IP) Cores for designing a complex hardware with VIO and ILA using Xilinx Vivado was explained with an example.

In the valedictory session, speakers were facilitated and a vote of thanks was presented by workshop coordinator. Workshop certificates were provided to the participants.

Glimpse of the Workshop:





**Department of
ELECTRONICS AND COMMUNICATION ENGINEERING**

**A Report on
A Five day Workshop on
"Expand, Educate and Engage on aspects of the ARDUINO"
(24/07/2023 to 28/07/2023)**

Department of ECE successfully conducted a five day workshop on "Expand, Educate and Engage on aspects of the ARDUINO" for II B.Tech students on 24th July to 28th July 2023. The aim of this workshop is to introduce participants to the fundamentals of electronics and programming using the Arduino platform. Through hands-on activities, participants will learn how to create and control various embedded projects. Ultimately, the workshop aims to inspire creativity, problem-solving, and a practical understanding of the intersection between technology and everyday life. The workshop comprises of theoretical lectures delivered by department faculty and also hands on live demonstration of ARDUINO, PROTEUS tools for design.

The students will have an exposure to ARDUINO boards, ARDUINO IDE, PROTEUS tool for design, Execution of projects. After completion of workshop, the students will be able to **design, verify, and execute** the real time embedded projects for problem solving.

Total 41 students were registered for the workshop and participation certificate for all 41 were issued by the college.

Mr.K.Rambabu, Assistant Professor and **Mr.B.Saidulu, Assistant Professor** worked as Faculty Coordinators for the five day workshop.

Day-1:

The workshop was inaugurated by Head of the Department, ECE **Dr. S.Ravi Chand** and Chief Controller of Examinations, **Prof P.Sreenivas Reddy** at 10:00 am.



Dr. S. Ravi Chand, Convener,
HOD-ECE addressed the
gathering



Mr. K. Rambabu,
Coordinator of workshop
addressed the gathering

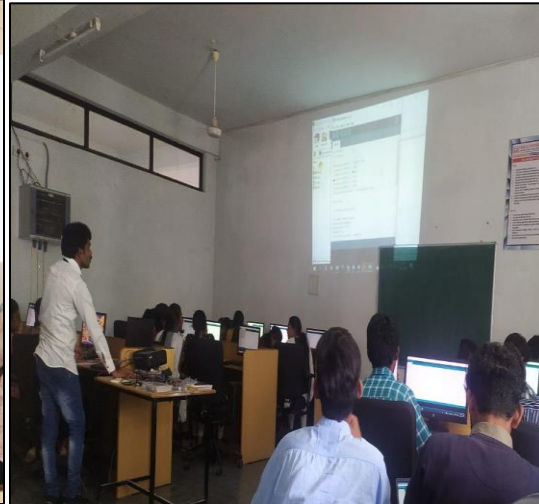


Prof. P. Sreenivas Reddy,
CoE-NNRG addressed the
gathering

In the morning session, **Dr.S.Ravi Chand** as resource person delivered the “**Arduino Life and its applications**” Afternoon session, “Introducing ARDUINO boards, ARDUINO IDE Installation.



Dr.S.Ravi Chand Professor. as resource person delivered the concepts of “**Arduino Life and its applications**”



Introducing ARDUINO boards, ARDUINO IDE Installation.

Day-2:

In morning session, resource person **Mr. Suresh Nalla** delivered the theoretical session on “**Microprocessors vs Microcontrollers vs Arduino**”.

Afternoon session, resource person **Mr.K.Rambabu**, “Hand’s on Session” that includes **Blinking LED, Using Multiple LED’s**” by ARDUINO boards and IDE.



Mrs. Suresh Nalla, Asst. Prof. as resource person delivered the concepts of “**Microprocessors vs Microcontrollers vs Arduino**”.



Hand’s on session “**Blinking LED, Using Multiple LED’s**” by ARDUINO boards and IDE”

Day-3:

In morning session, resource person **Mr.B.Saidulu** delivered theoretical Session on “Sensors, Actuators, Motors and Motor Drivers”.

Afternoon session,resource person **Mr.K.Rambabu**,"Hands on session,design of Real time projects by sensors, LED's.Light-Activated LED Blinking, Temperature Monitoring with LED Display.



Mr.B.Saidulu, Asst. Prof. as resource person delivered the concepts of Sensors, Actuators, Motors and Motor Drivers.

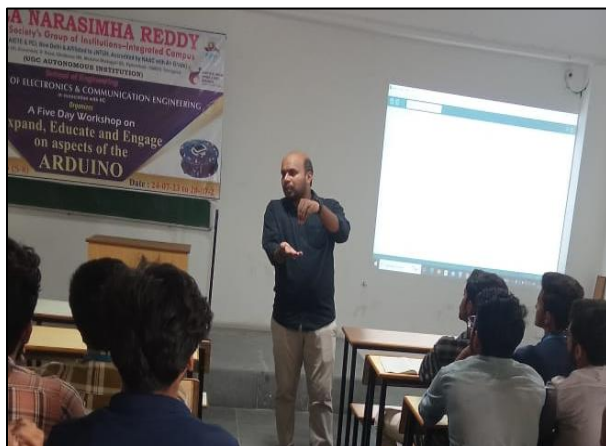


Hands on session,Light-Activated LED Blinking, Temperature Monitoring.

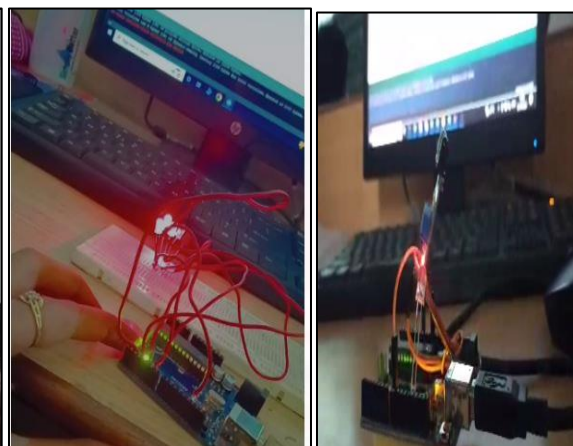
Day-4:

In morning session, resource person Mr.M.Sharath Chandra delivered a lecture on "ARDUINO Programming".

Afternoon session, resource person **Mr.K.Rambabu**,"Implementation of Traffic Signal, Ultrasonic Distance Measurement.” Was designed by ARDUINO boards and sensors, LED’s, LED Display.



Mr.M,Sharath Chandra delivered a lecture on "ARDUINO Programming"

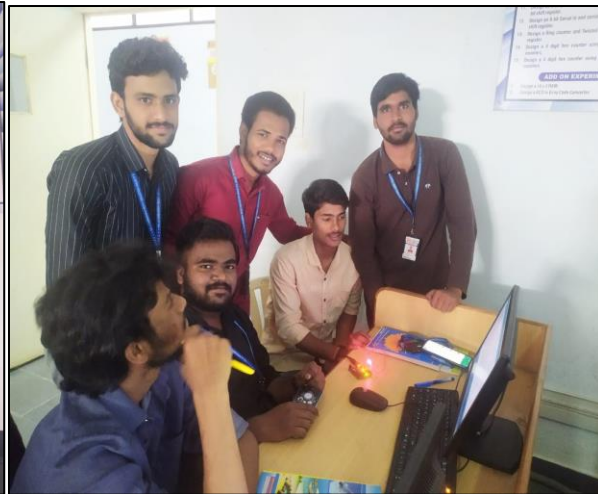


Implementation of Traffic Signal, Ultrasonic Distance Measurement.

Day-5:

In morning session, resource person **Mr.B.Ravi** delivered a lecture on **"Introduction to Embedded IOT and PROTEUS software"**.

Afternoon session, resource person **Mr.K.Rambabu**, Hands on session to Execute all ARDUINO Projects done in day 1,2,3,4 by using PROTEUS TOOL.



Mr.B.Ravi delivered a lecture on "Introduction to Embedded IOT and PROTEUS software".

Hands on session by students.

Finally, the workshop ended with a valedictory session, in the presence of Director Dr.C.V.Krishna Reddy garu, Dean School of Engineering Dr.G.Janardhana Raju garu and Head of Department Dr. S.Ravi Chand. Student participants received their certificates from the Director, Dr.C.V.Krishna Reddy and Dean School Engineering Dr.G.Janardhana Raju.



End Notes by Dean School of Engineering Dr.G.Janardhana Raju.



End Notes by Director Dr.C.V.Krishna Reddy.



Student Participant is receiving Certificate from Director Dr. C.V. Krishna Reddy.



Student Participant is receiving Certificate from Dean School of Engineering Dr. G.Janardhana Raju.



End Notes by Convenor & HOD-ECE, Dr. S. Ravi Chand.



Vote of Thanks by workshop Coordinator Mr. B. Saidulu.



Workshop Participants with Convener &HOD, Coordinators and Faculty.



Convener&HOD of Workshop with his team

Outcomes of the Workshop:

During this intensive 5-day workshop, participants will develop a strong foundational understanding of electronics and microcontrollers, gaining the ability to proficiently write and execute code for hardware control. Through hands-on projects, attendees will learn to integrate a variety of sensors and actuators, transforming theoretical knowledge into practical applications. The workshop will foster critical thinking and creative problem-solving as participants tackle challenges, collaborate on group projects, and explore innovative uses of technology. By the end, participants will emerge with enhanced confidence in electronics and programming, equipped with a portfolio of diverse projects that highlight their newfound skills in project realization, teamwork, and effective communication.

Place: Hyderabad

Date: 31/07/2023

K. Rambabu.

Coordinator

R. S. J.
HEAD OF THE DEPARTMENT
Electronics & Communication Engineering
Nalla Narasimha Reddy Education Society's
Group of Institutions - Integrated Campus
Narasimharanga (V), Narasimha 'X' Reddy Hills, K. J. P.
Medical - Madhuvan (Dist.) Telangana 501502

Department of ELECTRONICS AND COMMUNICATION ENGINEERING

A Report on 5 Days Workshop on "MATLAB Master Class for Beginners" (14th August 2023 to 19th August 2023)

The Department of ECE successfully conducted five days workshop on "MATLAB Master class for Beginners" for II B.Tech students on 14th August 2023 to 19th August 2023. The aim of this workshop is to provide an insight on importance of MATLAB in the field of communication, signal processing, audio and speech processing, so on. The workshop comprises of theoretical lectures delivered by department faculties and also live demonstration of the software and various toolboxes.

The students got an exposure to Matlab coding, Simulink, signal processing and communication toolboxes. As an outcome of the workshop, the students are able to **implement a programming code, design a block using simulink, process audio and speech signals and utilize communication tools.**

Total 31 students were registered for the workshop and participation certificate for all 31 were issued by the college.

Dr.S.REKHA and **Mrs.K.MADHAVI**, worked as Faculty Coordinators for the five day workshop.

Day-1:

The workshop was inaugurated by Dean, School of Engineering and Head of the Department, ECE in the ECE seminar hall at 9:45 am.



DR.G. Janardhana Raju,
DEAN-NNRG addressed the
gathering



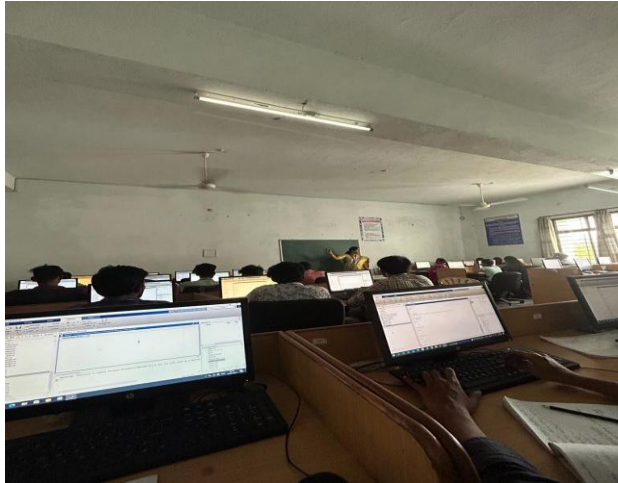
Dr S Ravi Chand, HoD-ECE
Addressed the gathering



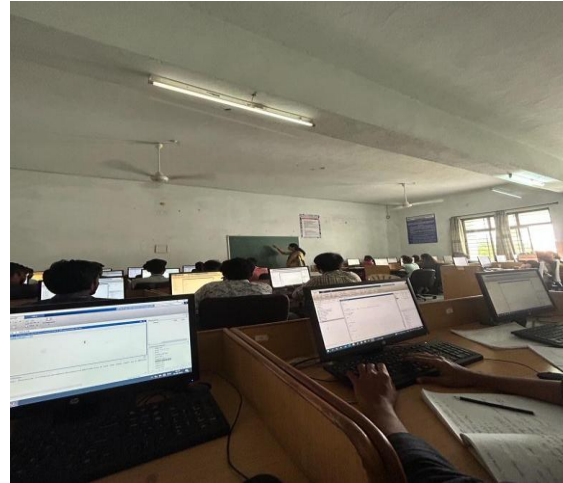
Dr. S. Rekha, Convener of
workshop addressed the
gathering

Day-1:

In the morning session, Mrs.K Madhavi as resource person delivered the “Basic concepts of MATLAB”. The afternoon session is followed by hands-on training on the MATLAB coding.



Mrs. K.Madhavi, Asst. Prof. as resource person delivered the concepts of “Basics of MATLAB”



Hands-on by students about Basics of MATLAB

Day-2:

In morning session, resource person Mr. Prashanth Kulkarni delivered the theoretical session on "Communication and MATLAB Simulink".

Afternoon session, “Hand’s on Implementation of MATLAB simulink and communication toolboxes”.



Students Practising “MATLAB Simulink” in the Laboratory

Day-3:

In morning session, resource person Dr S Karthick delivered lecture on "Signal Processing".

In the afternoon session, implementation of coding on "Signal Processing" with hands-on.

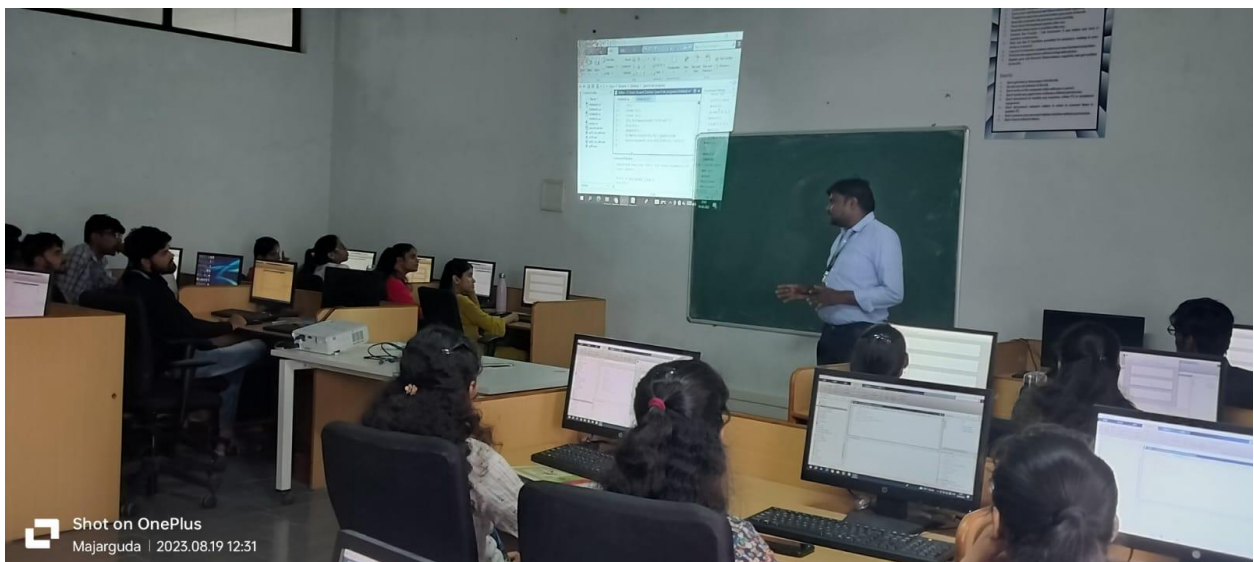


Dr S Karthick, Associate Professor of ECE, as resource person

Day-4:

In morning session, resource person Mr. B.Ravi delivered a lecture on "Speech and audio Processing using MATLAB tool".

In the afternoon session, practical implementation session is handled on "speech and audio processing".



Mr. B. Ravi delivered a lecture on "speech and audio signal processing"

Day-5:

In morning session, resource person Dr S Karthick delivered a lecture on “Signal processing toolboxes” followed by hands-on during afternoon session.



Dr.S.Karthick assisting students on “practice of signal processing toolboxes”

Finally, the workshop ended with a valedictory session, in the presence of Dean Dr. G Janardhana Raju and Head of Department Dr. S.Ravi Chand. Student participants received their certificates from the Dean.



Dr S Rekha, Convenor of the workshop,
appreciated by Dean and HoD



Mrs. K Madhavi, Coordinator, appreciated by
Dean and HoD



Mrs. K.Madhavi, resource person, appreciated by Dean and HoD



Dr S Karthick, resource person, appreciated by Dean and HoD



Mr. B. Ravi, resource person, appreciated by Dean and HoD



Mr. Prashanth Kulakarni, resource person, appreciated by Dean and HoD



A student receiving participation certificate from Dean and HoD



Participants of the Workshop



Workshop Participants with Dean, HOD, Convener and Faculties.

Outcomes of the Workshop:

After the completion of workshop, the students are able to

- Code a program in the MATLAB, compile, debug and visualize the output
- Model a block using MATLAB Simulink.
- Utilize communication toolboxes effectively
- Process speech and audio signals and analyze the output.

Place: Hyderabad

Date: 22/08/2023

S. Reddy

Convener

[Signature]

HOD-ECE

SCHOOL OF PHARMACY

REPORT

on

“CAREER GUIDANCE ON MOLECULAR MODELING”

School of Pharmacy conducted a Career Guidance session by Dr. I. Bharath Kumar, Proprietor / CEO of Chem Cloud Solution, for the students of B.Pharmacy IV year on 19.12.2022, at Nalla Narasimha Reddy Education Society's Group of Institutions, Hyderabad. The objective of the program is to explore and to bring awareness of various career opportunities availability in the field of Molecular Modeling. During interaction with the students, Dr. I. Bharath Kumar discussed various career opportunities available in Molecular Modeling in the present scenario and how to utilize most of them for their future prospects in a better way. He also provided valuable insights into how to stay ahead of the competition and develop a successful career path in this field. Meanwhile, during interaction, he also emphasized the student on computer simulations of molecular modeling that play an increasingly pivotal role in better of science nowadays. The advent of high-performance computing has enabled virtual experimentation *in-silico* as a tool that allows for interpolation between laboratory experiments and theory. Schulten introduced the term “computational microscope” to describe the role of computational simulations in augmenting experimental research when direct measurements are not possible. He believed that computational biophysics has progressed to the point where it presents a realistic view of intracellular components, often at a resolution not attainable through laboratory instruments, reaching atomic or even electronic dimensions. Throughout the session the students felt it was an amazing opportunity to gain valuable insights from such industry expert. 51 students of B. Pharmacy IV year students attended the session



Dr. I. Bharath Kumar, Proprietor / CEO of Chem Cloud Solution


DEAN
NRR School of Pharmacy
Nalla Narasimha Reddy Education Society's
Group of Institutions
Chowdarguda, Korremula X Roads,
Ghatkesar Mandal, Medchal Dist-500 088