



SAGAR GROUP OF INSTITUTIONS®

SISTec Engg.

GANDHI NAGAR CAMPUS | www.sistecgn.ac.in

Approved by AICTE & Affiliated to RGPV Bhopal

NEWSLETTER

Department of
Electronics & Communication



**JULY-DEC
2022**

Editorial Message

"No resistance can drop our potential"

Heartily welcome to the 7th Edition of our Departmental Newsletter.

We are very delighted and proud in presenting this newsletter to showcase the latest developments and programs which happened in our department.

It is indeed a great pleasure to note that our Department is publishing the newsletter on half yearly basis on every aspect of activities and events held during the semester. The newsletter aims to bring into view various proceedings, functions, events, news, accomplishments and happenings in the Department.

Newsletter acts as a communication channel among the alumni, faculty, students and experts in Electronics and Communication Engineering.

We are very much grateful to the Management, Principal and Vice Principal for their continuous encouragement, inspiration and support extended for the release of this

"NEWSLETTER"

Editorial Board Members:

1. Prantik Saxena(5th Sem)
2. Radhika Sen (5th Sem)

1. Prof. Siddharth Singh Parihar

Assistant Professor EC Dept.

2. Prof. Anoop Tiwari

Assistant Professor EC Dept.

Editor in Chief:

Dr. Ravi Shankar Mishra

Professor & HOD EC Dept. SISTec Bhopal

Advisory Board:

DR. KESHAVENDRA CHOUDHARY

Principal SISTec Gandhinagar Bhopal

DR. SWATI SAXENA

Vice-Principal Gandhinagar Bhopal

Vision Mission & PEOs of Electronics and Communications Department

Vision:

To become one of the leading institutes in the field of electronics and communication engineering to produce competent and committed technocrats who strive continuously in the pursuit of professional excellence for the betterment of society.

Mission Statements:

To impart learning skills through rigorous academic and technological intervention to meet the global challenges in the field of Electronics and Communication Engineering.

To inculcate the significance of human values and professional skills to serve the society.

To develop professional skills through co-curricular, extra-curricular, and industry interaction activities.

Program Educational Objectives:

PEO 1: To develop an ability among students to understand the concept of Electronics and Communication Engineering that will facilitate the understanding of new technology that prepares them for a professional career and higher studies.

PEO 2: To inculcate professional and ethical skills, entrepreneurial thinking, and an ability to relate engineering issues with social issues.

PEO 3: To give exposure to emerging edge technologies, adequate training, and opportunities to work as a team on multidisciplinary projects with effective communication skills and leadership qualities.

List of Contents

S.No	Content	Page No.
1	PLACEMENT “ROUNDUP PLACEMENTS 2022 BATCH”	1
2	INDUSTRIAL VISIT “PARLE-AGRO ”	2
3	EC TECH TALK SERIES “VLSI CIRCUIT DESIGN ASPECTS OF THE IOT”	3-4
4	PLACEMENT “JOHNSON CONTROLS”	5
5	INDUSTRIAL VISIT “METEOROLOGICAL CENTRE”	6
6	SEMESTER BREAK TRAINING “ELECTRO-INSPECTION”	7
7	INDUSTRIAL VISIT “SMPL”	8
8	ELECTRO BLITZ	9-12
9	E-ABHIVYAKTI	13-14
10	EXPERT TALK “” E-WASTE & THEIR MANAGEMENT FOR SUSTAINABLE DEVELOPMENT”	15
11	EXPERT TALK “PROJECT MANAGEMENT AND FINANCING-A BIRD'S EYE VIEW”	16
12	EXPERT TALK “SMART DEVICE DESIGN ON RASPBERRY PI ”	17
13	PLACEMENT “SASKEN”	18
14	PLACEMENT “XALT”	19
15	INDUSTRIAL VISIT “SMART CITY BHOPAL ”	20
16	EXPERT TALK “INDIVIDUAL & TEAM WORK” and “PROFESSIONAL ETHICS”	21-22
17	FRESHERS PARTY 2K22	23
18	PLACEMENT “ENERQUAL”	24
19	EXPERT TALK “RECENT TRENDS IN EMBEDDED & IOT”	25

PLACEMENT

ROUNDUP PLACEMENTS 2022 BATCH

Sagar Group
EDUCATION • REAL ESTATE • INDUSTRY
www.thesagar.in

SAGAR GROUP OF INSTITUTIONS®
SISTec
Sagar Institute of Science & Technology
Engg. Pharm. MBA
www.sistec.ac.in

Proud Achiever of
ARIIA 2021
BEST MANAGING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENT

**ROUNDUP
PLACEMENTS
2022 Batch**

**Electronics & Communication
Engineering**

Highest Package
13.0 LPA

Average Package
4.25 LPA

Total Placements
100%

+91 9109975760
www.sistec.ac.in

Round-Up Placements in SISTec Department of Electronics and Communication Engineering for Batch 2022, Witnessed 82 Companies in which resulted in 100% of placements with the Highest Package of INR 13 LPA and an Average Package of INR 4.25 LPA.

SISTec offers the perfect blend of research, practices, theories, resources and standards for an overall academic development of young engineers. Right from First to Final Year during Campus to Corporate, students are provided 360° In-house Corporate Training, ensuring each enrolled student secure a perfect Job opportunity. We make them aware of New Trends and Technology and their applications in the Corporates.

INDUSTRIAL VISIT

PARLE-AGRO

SISTec Department of Electronics and Communication

Engineering organized an Industrial Visit on 25th July 2022 to "Parle-Agro" Mandideep for 5th and 7th Semester students.

The students have started the visit with a short presentation of making of Parle-G biscuits and other products.



.Mr. Akhilesh from Parle-G has explained the whole process of making biscuits. He explained the process of making biscuits, which started from mixing of raw materials like fine flour, sugar, oil and other ingredients and then it converted in shape of biscuits, after that these biscuits passes through the oven for baking. It takes approx 3.5 Mins to baking of biscuits then cooling and packaging of biscuits.



Students have also participated in 'No plastic' Campaign initiative by Parle and taken oath for not using single use plastic.

Thanks to Prof. Mayank Nema, Manager Corporate Relations for arranging industrial visit.

EC TECH TALK SERIES

VLSI CIRCUIT DESIGN ASPECTS OF THE IOT

Department of Electronics & Communication Engineering SISTec GN is going to organize a webinar under “EC Tech Talk Series”.

Key Note Speaker: Dr. Mahesh Kumawat Founder of the IIT Indore incubation Centre-based Startup “Think VLSI”,

Assistant Professor at Bennett University Greater Noida.

SISTec
Gandhi Nagar & Ratibad, Bhopal
Engg. | Pharm. | MBA
SAGAR INSTITUTE OF SCIENCE & TECHNOLOGY
www.sistec.ac.in

Celebrating 22 Years of Excellence in Education

NAAC ACCREDITED INSTITUTION

Proud Achiever of
ARIIA 2021
ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENT

NBA
NATIONAL BOARD OF ACCREDITATION
*Member of IIT & IISc Leadership

DEPARTMENT OF
Electronics & Communication Engineering

Webinar on

**VLSI
Circuit Design
Aspects of the
IOT**

**Friday
29th July 2022**

10:00AM - 01:00PM

ECE Auditorium, SISTec GN

Keynote Speaker-
Dr. Mahesh Kumawat
Founder of "ThinkVLSI". IIT Indore
incubation Centre-based Startup &
Asst. Professor, Bennett University, Greater Noida.

Rising Spark

EC TECH TALK SERIES

VLSI CIRCUIT DESIGN ASPECTS OF THE IOT

Department of Electronics and Communication Engineering successfully organized a webinar on "VLSI Circuit Design aspect of Internet of Things" under the EC tech Talk series on 29th July, 2022. The webinar was organized by the Electro-Pulse club. The keynote speaker of this event Dr. Mahesh Kumawat, Assistant Professor, Bennet University Greater Noida and founder of IIT Indore incubation Centre-based Startup "Think VLSI", discussed about the challenges and opportunities in VLSI IOT Device and System and also an alternative model and approaches for VLSI circuits to implement with IOT devices and systems. Session was very informative and interactive.



PLACEMENT

JOHNSON CONTROLS

SISTec
Gandhi Nagar & Raibada, Bhopal
Engg. Pharm. MBA
SAGAR INSTITUTE OF SCIENCE & TECHNOLOGY
www.sistec.ac.in

22
Years of
Institutional
Existence

NAAC
ACCREDITED
INSTITUTION

Proud Achiever of
ARIIA 2021
ATL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENT

NBA
NATIONAL BOARD
OF ACCREDITATION

Congratulations
to our **Computer Science &
Electronics & Communication Engineering** Students
for getting placed as **IOT Engineer**

Johnson
Controls

CTC **6** LPA
BATCH **2023**

Ms. Aarushi Vishwakarma Ms. Muskan Tulsyani Ms. Shraddha Paliwal

MAGNIFICENT
PLACEMENTS
www.sistec.ac.in

Congratulations to our Electronics & Communication Engineering and Computer science Engineering students from the Batch 2019-23 for getting placed as IoT Engineer in Jhonson Controls at CTC 6LPA. Best wishes for all your future endeavors. May you conquer many more summits in your life.

Magnificent Placements at SISTec is the true result of the 360° Campus Recruitment Training Program, custom-designed by the team of in-house Corporate Trainers using Industry Approved Training Content and Placement Oriented TECH-Modules.

INDUSTRIAL VISIT

METEOROLOGICAL CENTRE



SISTec Department of Electronics and Communication Engineering organized an Industrial Visit on 5th August 2022 to "Meteorological Centre" Arera Hills, Bhopal for 5th Semester students.

The objective of the visit is to enhance the knowledge of students about the applications of Radar Engineering for weather forecasting.

Mr. Shakti Singh and Mr. Wahid Khan from Meteorological Department explained different procedures like air pressure monitoring, wind speed and direction monitoring, working and analysis of Doppler radar, Waveguides, Satellite image analysis, weather forecasting process and analysis etc. The visit was accompanied by Prof. Tejaswini Chetty and Prof. Siddharth Singh Parihar.



SEMESTER BREAK TRAINING

ELECTRO-INSPECTION

SISTec Department of Electronics and Communication Engineering is organizing hands-on in house semester break training "ELECTRO-INSPECTION" for 2nd Year students, which is ongoing from 16th August 2022.







DEPARTMENT OF
Electronics &
Communication Engg.

Semester Break Trainings

TRAININGS ON
ELECTRO-INSPECTION
For 3rd Semester

16th -30th August 2022

TRAINERS

- Prof. Tejaswini Chetty
- Prof. Kavita Kamerikar
- Mr. Raju Malviya



After this hands-on training students will be able to identify electronic components and their testing, circuit implementation on bread board and zero PCB. This training is provided by specialized in house trainer.



INDUSTRIAL VISIT

SMPL



SISTec Department of Electronics and Communication Engineering

organized an Industrial visit to SMPL on 27th of August 2022 for the IIIrd semester students. The students were escorted to different units of the manufacturing industry where they observed the process of making yarn from the cotton fiber brought from the ginning mills.

Students were ask about the various machines involved in the process and the final product and had queries about the process of exporting. It was a wonderful experience for the students.



ELECTRO BLITZ

MR.PRADEEP MISHRA



DEPARTMENT OF
**ELECTRONICS & COMMUNICATION
ENGINEERING**

Host

Electro Blitz

SPECIAL GUEST/SPEAKER

Mr. Pradeep Mishra
Deputy Superintendent of Police
MP Police

Activities:

1. Reformation of ELECTRO-PULSE club.
2. Expert Talk on
"Social issues & Professional ethics"
3. Quiz Competition.

29th August 2022

11:00 AM to 02:10 PM

**EC-Audi,
SISTec - Gandhi Nagar**



SISTec Department of Electronics and Communication Engineering is organizing Electro Blitz on 29th August 2022 from 11:00 am to 2:10pm at EC Auditorium. The guest for the event is Mr. Pradeep Mishra (Deputy Superintendent of Police, MP Police). The event includes activities:

1. Reformation of Electro-Pulse Club
2. Expert Talk on "Social issues & professional ethics"
3. Quiz Competition

ELECTRO BLITZ

EXPERT TALK

Formal Education will make you live and self education will make you a fortune

With this thought SISTec Department of Electronics and Communication Engineering, organized a Expert talk on "Social Issues and Professional Ethics" on 29th August 2022. The speaker for the session was Mr. Pradeep Mishra, (Deputy superintendent of police, Crime branch bhopal), spoke about the social issues in our country , moral values, principals and professional ethics for youngsters. Additionally, he provided students with precise answers for time management and motivation. The session was incredibly engaging and educational.



ELECTRO BLITZ

REFORMATION CEREMONY OF ELECTROPULSE CLUB



SISTec Department of Electronics and Communication Engineering celebrated the reformation ceremony of Electropulse club on in the presence of special guest Mr. Pradeep Mishra , DSP Crime branch, Bhopal.

He congratulated the appointed students on the reformation of the society and motivated the students to participate in the extracurricular and Technical activities with their full enthusiasm. Dr. Ravi Shankar Mishra, (HOD ECE) expressed his gratitude on the reformation of the society and talk about vision of the society, followed by the oath taking ceremony and event Quiz- The Mind Game.

The quiz competition winners were appreciated and given their prizes with the hope that the newly created club will host more such events.



ELECTRO BLITZ

Quiz- The Mind Game.

Dr. Ravi Shankar Mishra, (HOD ECE) expressed his gratitude on the reformation of the society and talk about vision of the society, followed by the oath taking ceremony and event Quiz- The Mind Game.



The quiz competition winners were appreciated and given their prizes with the hope that the newly created club will host more such events.



E-ABHIVYAKTI ENGINEERS DAY



“Normal people believe that if it ain’t broke, don’t fix it. Engineers believe that if it ain’t broke, it doesn’t have enough features yet.”

SISTec Department of Electronics and Communication Engineering organized an event E-Abhivyakti under the Electro-Pulse club, on the occasion of engineersday2022 at Gandhinagar campus.

The events include majorly two segments. In the very first segment a tech quiz and tech dum charades was organized and in second segment there was a poster making competition. It was a team event.

E-ABHIVYAKTI ENGINEERS DAY



The theme was "Engineering in Everyday Life". Many students participated and showed their enthusiasm. The winner of this event was Bhunesh sen, student of EC IIIrd sem. First runner up was Ishika Lowanshi, Zoya Khan and Shraddha rahangdale of CSE Ist sem.

Second runner up was Rubana Ali from EC Ist sem. Event concluded with Vote of thanks by Electro Pulse Vice president Miss. Ragini Sen.

EXPERT TALK

" E-WASTE & THEIR MANAGEMENT FOR SUSTAINABLE DEVELOPMENT

SISTec Department of Electronics and Communication Engineering organized an Expert talk on " E-Waste & their Management for Sustainable Development" on 28th September 2022.



The speaker for the session was Dr. Neelesh Shrivastava , (Professor, Department of Basic Science, SISTec Bhopal), spoke about the management of E-Waste, sources of E-waste such as Temperature exchange equipment, Monitors, Large and small electronics equipment containing toxic materials.

He also proposed the solution "Management of E waste disposal" for environmentally friendly recycling of electronic products for sustainable development. The session was incredibly engaging and educational.



EXPERT TALK

PROJECT MANAGEMENT AND FINANCING-A BIRD'S EYE VIEW

SISTec Department of Electronics and Communication Engineering organized an expert talk on "Project Management and Financing-A Bird's Eye View" on 10th October 2022.

The speakers for the session was Dr. Tina Sachdeva, (Associate Professor, School of Management Studies, SISTec MBA ,bhopal), and Prof. Jyotika James (Assistant Professor, School of Management Studies, SISTec MBA Bhopal). Session started with the project management,

In which Dr. Tina Sachdeva spoke about the key aspects of Project management in terms of Activity and Resource planning, Time management, Budget creation , Cost estimation and Risk management.

In the second part of the session, Prof. Jyotika James discussed about the financial aspect of project management in terms of Budget, Cost, Expenses, Billing and Margin. The session was incredibly engaging and educational.



EXPERT TALK

SMART DEVICE DESIGN ON RASPBERRY PI



SISTec Department of Electronics and Communication Engineering organized an expert talk on " Smart Device design on Raspberry Pi" on 17th October 2022.

The speakers for the session was Mr. Rohit Kukreja, (Software Design Engineer, Indeyes Infotech Pvt. Ltd. ,bhopal). Session started with the Introduction to Raspberry Pi development board, in which Mr. Rohit Kukreja spoke about the Raspberry Pi development board, connection of Raspberry pi and operating system with each other and how to control Raspberry Pi from the mobile followed by the concept of VNC server.



The session was incredibly engaging and educational for the students.

PLACEMENT

SASKEN



Congratulations to our Electronics & Communication Engineering and Computer science Engineering students from the Batch 2019-23 for getting placed as associates software engineer in SASKEN at CTC 5LPA.

Best Wishes for all your future endeavors. May you conquer many more summits in your life...

Magnificent Placements at SISTec is the true result of the 360° Campus Recruitment Training Program, custom-designed by the team of in-house Corporate Trainers using Industry Approved Training Content and Placement Oriented TECH-Modules.

PLACEMENT

XALT



SISTec Department of Electronics and Communication Engineering
 Congratulations to our Electronics & Communication Engineering
 and Computer science Engineering students from the Batch 2019-23
 for getting placed as data science engineer -Trainee in XALT at CTC
 6LPA.

Best Wishes for all your future endeavours. May you conquer many
 more summits in your life...

Magnificent Placements SISTec is the true result of the 360° Campus
 Recruitment Training Program, custom-designed by the team of in-
 house Corporate Trainers using Industry Approved Training Content
 and Placement Oriented TECH-Modules.

INDUSTRIAL VISIT

SMART CITY BHOPAL

SISTec Department of Electronics and Communication Engineering organized an Industrial visit to Smart City Bhopal on 2nd of November 2022 for the Vth and VIIth semester students



The students were escorted to different units of the smart city center such as Bhopal Smart City Development Corporation, BNEST, Traffic Management System, Smart Poles and Smart Street Light System. where they understood the working process of smart traffic control system, surveillance system and its management.

It was a wonderful experience for the students.



EXPERT TALK

INDIVIDUAL & TEAM WORK



SISTec Department of Electronics and Communication Engineering organized an expert session on "Individual & Team Work". The key speaker for the session was Ms. Alisha Hashmi, Asst. Professor - SISTec MBA.

The session started with the questionnaire with the students on what individual and team work is. Ms. Alisha explained students about how corporations use both individual and teamwork. She also gave brief explanation of the benefits and drawbacks of working individually and in teams, as well as how doing so might advance one's professional and personal development.

The session was highly intriguing since it gave students real-world experience with both individual and teamwork.



EXPERT TALK

PROFESSIONAL ETHICS



SISTec Department of Electronics and Communication Engineering organized an expert session on "Professional Ethics". The key speaker for the session was Dr. Harleen Kaur, Associate Professor - SISTec MBA.

The session started with the case studies on professional ethics. Dr. Harleen explained the students about the importance and different aspect of ethics at work place. She also gave brief explanation of moral and values. She also explained the benefits of working individually and in teams while following ethics.



The session was highly intriguing since it gave students real-world experience.

FRESHERS PARTY 2K22



SISTec Department of Electronics and Communication Engineering organized Freshers Party 2K22 for the students for 1st year. The day will filled with joy and excitement was quite engaging for the first year students. The day included dancing, singing, games, and the most awaited titles of Mr. EC and Miss EC. Following students were titled on the basis of walk, stage presence, overall presentation, promptness and creative thought process:

Miss ECE- Ankita Singh
Mr. ECE- Abhishek Mitra



PLACEMENT ENERQUAL



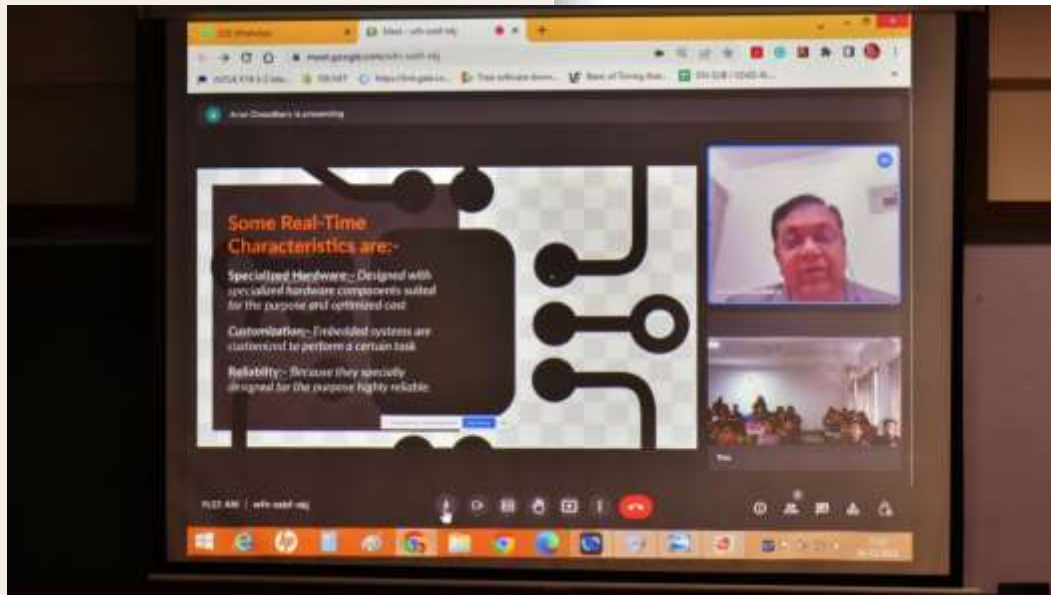
SISTec Department of Electronics and Communication Engineering
Congratulations to our Electronics & Communication Engineering
and Electrical & Electronics Engineering students from the Batch
2019-23 for getting placed as Graduate Engineer Trainee in
ENERQUAL.

Best Wishes for all your future endeavours. May you conquer many
more summits in your life...

Magnificent Placements at SISTec is the true result of the 360°
Campus Recruitment Training Program, custom-designed by the
team of in-house Corporate Trainers using Industry Approved
Training Content and Placement Oriented TECH-Modules.

EXPERT TALK

RECENT TRENDS IN EMBEDDED & IOT



SISTec Department of Electronics and Communication Engineering organized an expert session on "Recent Trends in Embedded and IOT". The key speaker for the session was Mr. Arun Choudhary, Founder and CEO, E4ASolution and Associates LLP- Symbiosis International University, Noida, Uttar Pradesh. .

The session started with the introduction and real time applications of an embedded system. Mr. Arun Choudhary discussed with the students about the industrial demands of an IOT and embedded system. He also explained the demanding hybrid technology which includes both IOT and embedded systems in industrial environment. The session was highly intriguing since it gave students real-world experience.

