

Department of Electrical and Electronics Engineering
KPR Institute of Engineering and Technology



NEWSLETTER



ELECTROBLITZ

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May 2022

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VISION AND MISSION OF THE DEPARTMENT

Vision:

To be the **centre of higher learning** in the field of Electrical and Electronics Engineering by educating the students to meet the **global challenges** with **professional ethics and social consciousness**.

Mission:

- Providing **technical, intellectual and ethical** environment to the students through **knowledge centric education and research**.
- Collaborating with industries in the vicinity, nationally and internationally for exposure and **innovation**.
- Enabling the students to **serve the society** through **prolific ideas**.

Programme Educational Objectives (PEOs)

The Graduates of Electrical and Electronics Engineering will

- **PEO1** Possess an adequate knowledge to meet the needs of the stakeholders and excel in their chosen profession with good communication and managerial skills.
- **PEO2** Adapt to emerging technologies and practice their profession confirming to ethical and human values.
- **PEO3** Continuously improve the habit of self-study through professional development activities.

Programme Outcomes (POs)

Graduates of Electrical and Electronics Engineering will be able to:

- **PO1 Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **PO2 Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- **PO3 Design/development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

- **PO4 Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- **PO5 Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- **PO6 The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- **PO7 Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **PO8 Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **PO9 Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- **PO10 Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- **PO11 Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- **PO12 Life-long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

Programme Specific Outcomes (PSOs)

Graduates of Electrical and Electronics Engineering will able to:

- **PSO1** Develop skills to the expectations of the dynamic industrial practices in Electrical Engineering and allied areas.
- **PSO2** Analyze, design and integrate various renewable energy sources to meet the energy demand.

FACULTY DETAILS

S.NO	NAME OF THE FACULTY	DESIGNATION
1.	Dr.V.Kumar Chinnaiyan	Professor & Head
2.	Dr.J.Karpagam	Professor
3.	Dr.K.Mohana Sundaram	Professor
4.	Dr.R.Uthirasamy	Professor
5.	Dr.V.S.Chandrika	Associate Professor
6.	Dr.P.Pandiyan	Associate Professor
7.	Dr.A.Karthick	Associate Professor
8.	Mr.S.Vivekanandan	Assistant Professor (Sl.G)
9.	Mr.G.Saravanan	Assistant Professor (Sl.G)
10.	Mr.R.Sampathkumar	Assistant Professor (Sl.G)
11.	Dr.C.Pazhanimuthu	Assistant Professor (Sl.G)
12.	Dr.I.Baranilingesan	Assistant Professor (Sl.G)
13.	Dr.S.Ravindran	Assistant Professor (Sl.G)
14.	Dr.A.Matheswaran	Assistant Professor (Sl.G)
15.	Dr.V.Parimala	Assistant Professor (Sl.G)
16.	Mr.D.Sathish Kumar	Assistant Professor (Sr.G)
17.	Ms.B.Lalitha	Assistant Professor (Sr.G)
18.	Ms.R.Revathi	Assistant Professor (Sr.G)

19.	Mr.A.Mohamed Ibrahim	Assistant Professor (Sr.G)
20.	Mr.P.Ravikumar	Assistant Professor (Sr.G)
21.	Mr.V.Kamalkumar	Assistant Professor(Sr.G)
22.	Mr.C.J.Vignesh	Assistant Professor(Sr.G)
23.	Mr.K.Balamurugan	Assistant Professor
24.	Ms.P.Praveena	Assistant Professor
25.	Mr.C.Dinesh	Assistant Professor
26.	Mr.M.Mohana Sundaram	Assistant Professor
27.	Mr.M.Mohanasundaram	Assistant Professor

SUPPORTING STAFF

S.NO	NAME OF THE STAFF	DESIGNATION
1.	Mr.M.Vinothkumar	Lab Technician
2.	Mr.C.Gopalakrishnan	Lab Technician
3.	Mr.R.Vinothkumar	Lab Technician
4.	Mr.K.S.M.Manoj Kumar	Lab Technician
5.	Mr.T.Loganathan	Lab Technician
6.	Ms.P.Parameshwari	Office Assistant

ASSOCIATION ACTIVITIES

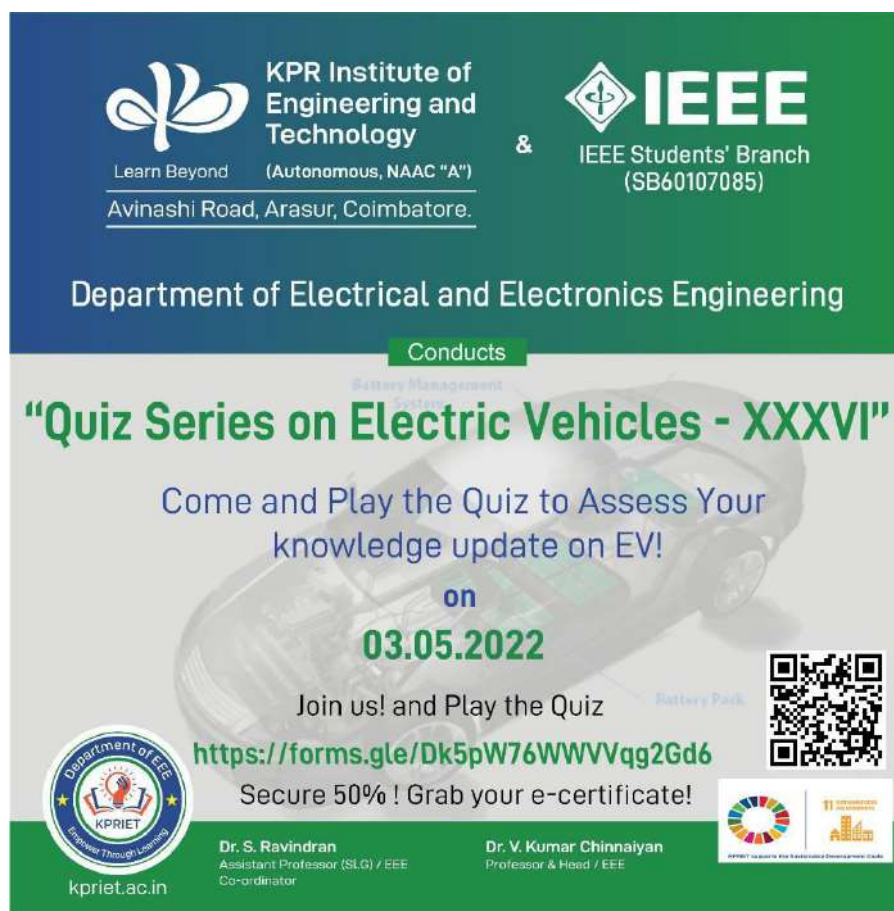
Quiz Series on Electric Vehicles – XXXVI

The department of Electrical and Electronics Engineering organized a “Quiz Series on Electric Vehicles – XXXVI” on 03/05/2022 open to all, who are keen on emerging EV technologies. The poster is circulated to various Institutions and in social media digitally. Participants from various Institutions, Universities and Industries across India have participated in this quiz.

- This Quiz had 10 questions covering Electric Vehicle Technologies
- Each question carries 10 marks.
- The participants who scored 50% and above were issued with Certificate of Appreciation.

The details of the Program Participants are given below:

Total Participants	:	141
Participants cleared the quiz and received Certificate	:	114



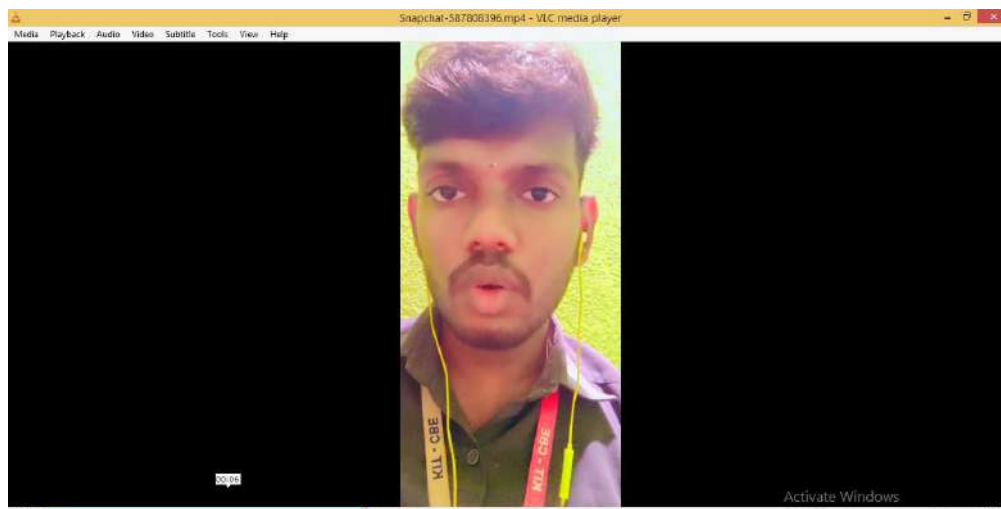
The poster is a promotional graphic for a quiz. It features a dark green header with the KPR Institute of Engineering and Technology logo and name, and the IEEE Students' Branch logo and name. Below the header, it says 'Department of Electrical and Electronics Engineering' and 'Conducts'. The main title is 'Quiz Series on Electric Vehicles - XXXVI' in large green letters. Below the title, it says 'Come and Play the Quiz to Assess Your knowledge update on EV!' and 'on 03.05.2022'. There is a QR code on the right side. At the bottom, it says 'Join us! and Play the Quiz' and provides a URL: 'https://forms.gle/Dk5pW76WVvVqg2Gd6'. It also says 'Secure 50% ! Grab your e-certificate!'. The footer includes the KPR Institute logo, the website 'kpriet.ac.in', and the names and titles of the organizers: Dr. S. Ravindran (Assistant Professor (SLG) / EEE, Co-ordinator) and Dr. V. Kumar Chinnaiyan (Professor & Head / EEE).

Event on “Energy Audit for Residential Buildings”

The department of Electrical and Electronics Engineering in association with Ensav Club organized an event on “Energy Audit for Residential Buildings” on 10/05/2022 for the students’ community. Students from various institutions have participated in this energy audit contest and made a walk-through audit in residential buildings. They have made an audit report and submitted it with their power usage analysis and power-saving suggestions. The energy audit reports have been examined by energy managers and issued with certificates and prizes. The takeaway was the awareness of energy reduction/saving at home and other places.



The poster features logos for KPR Institute of Engineering and Technology (Autonomous, NAAC "A"), Great Place To Work Certified (MAR 2022 - MAR 2023), Department of EEE KPRIET, and ENSAV CLUB (Energy Saving Awareness Club). The main text reads: "ENSAV Club in association with Department of EEE Organizes a ENERGY AUDIT CONTEST - 1". It encourages participants to audit in any one category: Home, Shop/Commercial Place, or Industrial Block. A green box states: "Submit the report along with supporting video on or before 10.05.2022". A QR code is provided for registration. The convener is Dr. V. Kumar Chinnaiyan, Professor & Head/EEE, and the coordinator is Dr. S. Ravindran, AP (SI.G)/EEE. Logos for Sustainable Development Goals and GREEN9 are also present, along with the website kpriet.ac.in and social media handles for KPRIETonline.



Quiz Series on Electric Vehicles – XXXVII

The department of Electrical and Electronics Engineering organized a “Quiz Series on Electric Vehicles – XXXVII” on 21/05/2022 open to all, who are keen on emerging EV technologies. The poster is circulated to various Institutions and in social media digitally. Participants from various Institutions, Universities and Industries across India have participated in this quiz.

- This Quiz had 10 questions covering Electric Vehicle Technologies
- Each question carries 10 marks.
- The participants who scored 50% and above were issued with Certificate of Appreciation.

The details of the Program Participants are given below:

Total Participants	:	265
Participants cleared the quiz and received Certificate	:	254

The poster is a promotional graphic for a quiz series. It features a dark green header with the KPR Institute of Engineering and Technology logo and name, and the IEEE logo with 'IEEE Students' Branch (SB60107085)'. Below this, it says 'Department of Electrical and Electronics Engineering' and 'Conducts'. The main title is 'Quiz Series on Electric Vehicles - XXXVII' in large green letters. Below the title, it says 'Come and Play the Quiz to Assess Your knowledge update on EV!' and 'on 21.05.2022'. There is a QR code on the right side. Below the QR code, it says 'Join us! and Play the Quiz' and provides the URL 'https://forms.gle/kkNNNeEmHsBaEppy7'. It also says 'Secure 50% ! Grab your e-certificate!'. At the bottom, there are logos for the Department of EEE, KPRIET, and IEEE, along with the names and titles of Dr. S. Ravindran and Dr. V. Kumar Chinnaiyan.

Webinar on “Skillset for Successful Start-up”

The department of Electrical and Electronics Engineering in association with Centre for Innovation, Incubation and Entrepreneurship Development organized a webinar on “Skillset for Successful Start-up” on 30/05/2022 for students’ community. A heart-warming welcome was delivered by Dr. R. Sampathkumar, Assistant Professor (Sl.G), Department of EEE and the Presidential address given by Dr.V.Kumar Chinnaiyan, Professor and Head, Department of EEE. Er.S.Sasidharan, Founder, EQUBZ, Coimbatore and Er.G.Kumaran, Founder, EQUBZ, Coimbatore has delivered a valuable presentation on

- Start-up
- Skillset
- Market Demand
- Opportunities
- Teamwork
- Financial Planning

The resource persons shared their experience. The vote of thanks was delivered by Ms. A.Y. Buvanieswary, II – EEE, Department of EEE, KPR Institute of Engineering and Technology, Coimbatore. There were 45 participants attended the webinar and get benefited. The department of EEE thanks to the management for providing this opportunity to conduct the webinar successfully.

KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC "A")
Avinashi Road, Arasur, Coimbatore.

Department of EEE
KPRIET
Learn Beyond Through Learning

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

Department of Electrical and Electronics Engineering
in association with
Centre for Innovation, Incubation and Entrepreneurship Development
Organizes a
Webinar on
Skillset for Successful Start-up

30.05.2022
06:00 - 07:00 PM

Coordinator
Dr. R. Sampathkumar, AP (Sl.G)/EEE

Convenor
Dr. V. Kumar Chinnaiyan
Professor & Head/EEE

Er. S. Sasidharan
Founder - Equbz
Coimbatore

Er. G. Kumaran
Founder - Equbz
Coimbatore

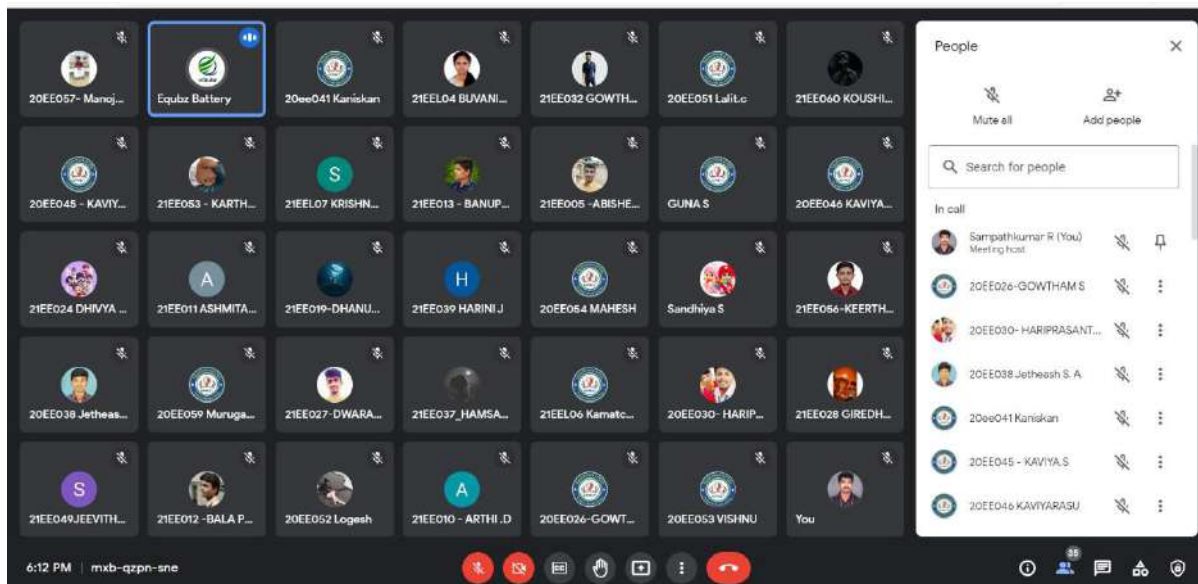
<https://meet.google.com/mxb-qzpn-sne>

kpriet.ac.in
f i t y o G /KPRIETonline

SUSTAINABLE DEVELOPMENT GOALS

Great Place To Work Certified

AICTE-CII Best Industry Linkage Award - 2020



Webinar on Virtual Teaching Tools

The department of Electrical and Electronics Engineering organized a webinar on "Virtual Teaching Tools" on 31/05/2022 for faculty. A heart-warming welcome was delivered by Dr.V.Kumar Chinnaiyan, Professor and Head, Department of EEE. Dr.P.Pandiyan, AsP/EEE, has introduced the resource person, Dr.S.Arivazhagan, Innovation Officer, Aviation and Robotics Club, KPRIET, Coimbatore. The resource person has delivered a valuable presentation on,

- Importance of virtual teaching tools
- Simulation of Alagadoo online software
- DC AC Lab simulation tool
- Fritzing simulation tool
- StickHub-PCB Editor
- PartSim and Falstad circuit simulation tool
- Circuit lab
- Additional professional simulation software

The resource person shared their wide experience in online simulation tools. The vote of thanks was delivered by Dr.C.Pazhanimuthu, AP (SI.G)/EEE. There were 20 faculty members who attended the webinar and benefited. The department of EEE thanks the management for providing this opportunity to conduct the webinar successfully.



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Department of EEE
KPRIET
Empower Through Learning



AICTE-CII
Best Industry-Linkage
Award - 2020
Electrical Engineering and Allied

Department of Electrical and Electronics Engineering
Organizes a
Webinar on
Virtual Teaching Tools



Coordinators
Dr.P.Pandiyam, AsP/EEE
Dr.C.Pazhanimuthu, AP (SI.G)/EEE

Convenor
Dr.V.Kumar Chinnaiyan
Professor & Head/EEE

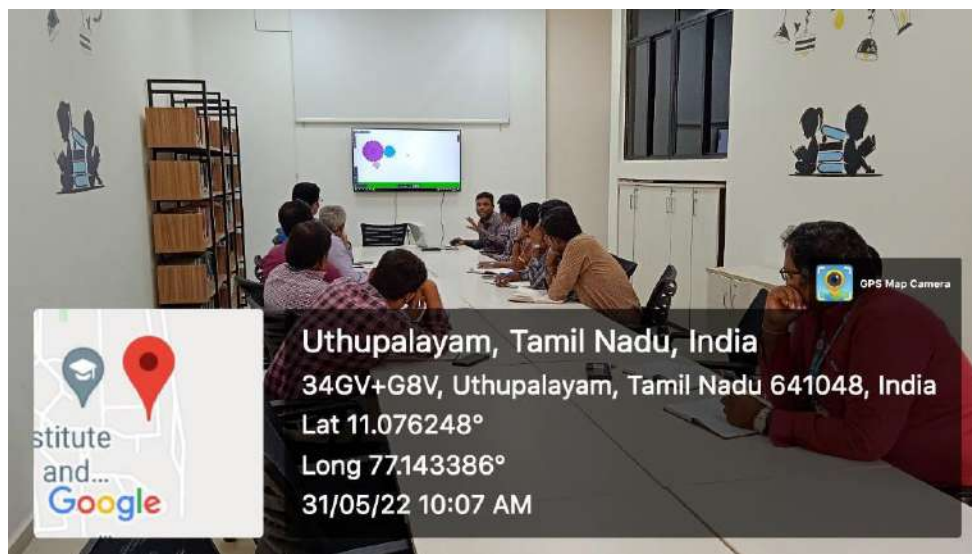
Dr.S.Arivazhagan
Innovation Officer
Aviation and Robotics Club
KPRIET, Coimbatore

EEE BOARD ROOM

31.05.2022
10:00 - 11:00 AM

kpriet.ac.in
EEE@KPRIET
f i t y t u g /KPRIETonline

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Publication by the Faculty Members

- ❖ Mrs.Revathi R, Dr Karthikeyan M, Dr Kumar Chinnaiyan V, “Machine Learning Based Smart Energy Management for Residential Application in Grid Connected System”, IEEE, May 2022.

Patent by the Faculty Members

- ❖ Mr. S.Vivekanandan, “Intelligent Sensor Based Automatic EB Billing Calculation Method”, Publication No. 202241011377, May, 2022.

List of Eminent Academicians/Scientists Visit

S.No.	Name and Designation	Organization
1	Er.S.Sasidharan	Founder, EQUBZ, Coimbatore
2	Er.G.Kumaran	Founder, EQUBZ, Coimbatore

Faculty Participation in FDP/Seminar/Workshop/Orientation Program

S.No	Faculty Name	Type of the Event	Event Name	Venue	Duration of the Event
1	Mr.V.Kamalkumar	FDP	Faculty Training Program	VVDN Technologies, Pollachi	05/05/2022
2	Ms.P.Praveena	FDP	Faculty Training Program	VVDN Technologies, Pollachi	05/05/2022
3	Mr.S.Vivekanandhan	Webinar	Kapila Scheme and Patent Commercialization	Online	24/05/2022
4	Dr.C.Pazhanimuthu	Webinar	Kapila Scheme and Patent Commercialization	Online	24/05/2022
5	Mr.C.J.Vignesh	Webinar	Kapila Scheme and Patent Commercialization	Online	24/05/2022

Student Placement Details

S.No.	Student Name	Organization
1	R. Abith	CES, Chennai
2	M. Dhivya	CES, Chennai
3	N. Mukesh Rao	CES, Chennai
4	R. Abith	Virtusa, Chennai
5	M. Dhivya	Virtusa, Chennai
	R. Archana	Virtusa, Chennai

7	M. Kirithikaa	Virtusa, Chennai
8	V. Aravind	Virtusa, Chennai
9	B. Gokulnathan	Virtusa, Chennai
10	S. Gowri Sankar	Virtusa, Chennai
11	R. Hemaprabhu	Virtusa, Chennai
12	P. Jeeva Pradeesh	Virtusa, Chennai
13	A. Manikandan	Virtusa, Chennai
14	E. Radhika	Virtusa, Chennai
15	R. Sutha Mathi	Virtusa, Chennai
16	M.C. Suvetha	Virtusa, Chennai
17	S. Yoga Priya	Virtusa, Chennai
18	K. Sri Durga	Virtusa, Chennai
19	K. Nithish Kumar	Virtusa, Chennai
20	M. Rangaraji	Virtusa, Chennai
21	S. Vasanth	Virtusa, Chennai
22	G. Santhosh	Virtusa, Chennai

Awards and Recognitions



Won 1st runner-up position in state level project competition held at Hindustan University.



Won 2nd prize in project competition held at PSGiTech



**AICTE-CII
Best Industry-Linkage Award**



International Book of Record - Youngest Artist



Best Department Award

Centre for Excellence



Industry Institute Interaction



Top Recruiters



and many more....



R & D

h index	95+	i10	110+	Publications	410+
Patents	22+	Conferences	120+	Copyrights	1
NPTEL	250+	Awards	18+	Citations	5450+

Funds Received



Internships

Students	Faculty
300+ 2018-19	25+ 2018-19
350+ 2019-20	50+ 2019-20
380+ 2020-21	56+ 2020-21
310+ 2020-21 * Dec 2021	25+ 2020-21 * Dec 2021

CONTACT

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