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THANJAVUR - 613 403 - TAMILNADU

SCHOOL OF ARTS AND SCIENCE
DEPARTMENT OF BIOCHEMISTRY

REPORT

SCIENCE CARNIVAL - 2022

Date: 22.08.2022



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DEPARTMENT OF BIOCHEMISTRY

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PRIST/A&S/BC/22-23/3.3

Date: 16.08.2022

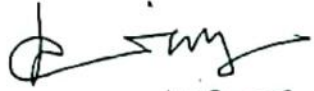
The department of Biochemistry is pleased to inform that, we are planned to organize a science carnival event on 22nd August 2022. In this regards, we invite all students and faculty members to participate and make the function a grand success.

The aim of the Science Carnival is to provide an opportunity for the students to showcase their aesthetic ideas, passion and creative innovations as well as ignite the minds of the students in the field of Science and Technology. We invite the students to participate their Science project ideas on Life Science in the following events

- Science Lectures
- Scientific Exhibition
- Hands-on-training - Phytochemical analysis
- Rangoli

Copy to

1. Dean - School of Arts and Science
2. All Faculty Members
3. Register copy
4. File copy


16/8/22
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SCIENCE CARNIVAL - 2022
Organized by Department of Biochemistry,
School of Arts and Science, PRIST University on
22nd August 2022

DATE: 22.08.2022

VENUE: PRIST UNIVERSITY

LIST OF EVENTS

SCIENCE LECTURES

SEMINAR HALL-II

10:00 AM TO 11:30 AM

RANGOLI SHOW

PRIST BLOCK

10:00 AM TO 3:30 PM

SCIENTIFIC EXHIBITION

SEMINAR HALL-I

10:00 AM TO 3:30 PM

HANDS-ON-WORKSHOP

BIOCHEMISTRY LAB

10:00 AM TO 12:30 PM

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DEPARTMENT OF BIOCHEMISTRY

SCIENCE CARNIVAL - 2022

DATE: 22.08.2022

TIME: 09.00 AM

VENUE: SEMINAR HALL-II, CRD

- 09:00 am Welcome address : Dr. A. BAKRUDEEN ALI AHMED, Ph.D.,
Professor and Scientist
Department of Biochemistry
Ponnaiyah Ramajayam Institute of Science and
Technology
- 09:10 am Inaugural address : Dr. L. CHINNAPPA, Ph.D.,
Dean
School of Arts and Science
Ponnaiyah Ramajayam Institute of Science and
Technology
- 09:20am Guest Introduction : Dr. S. AMBIGA, Ph.D.,
Head
Department of Biochemistry
Ponnaiyah Ramajayam Institute of Science and
Technology
- 09:21am Invited Talk : Dr. A. NOORJAHAN, Ph.D.,
Research Director and CEO
Biofocus Scientific Solutions Pvt, Ltd.,
Kumbakonam
- Topic : SCIENCE IN DAILY LIFE
- 09:50am Vote of Thanks : Dr. S. SATHISHKUMAR, Ph.D.,
Assistant Professor
Department of Biochemistry
Ponnaiyah Ramajayam Institute of Science and
Technology

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REPORT FOR SCIENCE CARNIVAL EVENT

Department of Biochemistry, Ponnaiyah Ramajayam Institute of Science & Technology [PRIST], organized the **Science Carnival-2022** on August 22, 2022 in Seminar hall-II, CRD.

The dignitaries on the dais were Dr. L. CHINNAPPA, Ph.D., Dean, School of Arts and Science, Dr. A. Bakrudeen Ali Ahmed, Ph.D., Professor and Scientist, Department of Biochemistry PRIST, Dr. S. Ambiga, Head, Department of Biochemistry, PRIST, Dr. A. NOORJAHAN, Ph.D., Research Director and CEO, Biofocus Scientific Solutions Pvt, Ltd., Kumbakonam, and Dr. S. Sathishkumar, Assistant Professor, Department of Biochemistry, PRIST.

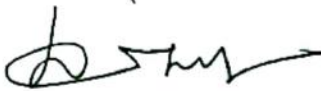
The programme started at 09:00 am with the welcome address by Dr. A. Bardeen Ali Ahmed, Ph.D., Department of Biochemistry. Dr. L. CHINNAPPA, Ph.D., Dean, School of Arts and Science delivered an Inaugural address about the Science and Technology today. Dr. S. Ambiga, Head, Department of Biochemistry introduce the Guest. Dr. A. NOORJAHAN, Ph.D., Research Director and CEO, Biofocus Scientific Solutions Pvt, Ltd. delivered the invited talk about the science in daily life.

Finally Dr. S. Sathishkumar, Assistant Professor, Department of Biochemistry delivered vote of thanks.

No. of. Staffs Participated: 10

No. of. Students Participated: 109

AS
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School of Arts and Science
Organized by Department of Biochemistry
SCIENCE CARNIVAL - 2022

VENUE: PRIST BLOCK
DATE: 22.08.2022

TIME: 10:00 AM TO 3:30 PM

S.No	Student name	Reg number	Class
1.	2101CS10205	A RAMYA	II BSC CS
2.	2101CA10110	A.NAVEEN RAJ	II BCA
3.	2001CS10119	N RAJA	III BSC CS
4.	2001CS10112	J.SIVABALAN	III BSC CS
5.	2001CS10212	K.RAGAVI	III BSC CS
6.	2001CS10215	S.JANANI	III BSC CS
7.	2001CA10218	J.SIVADURAGA	III BCA
8.	2001CS10220	R.GAYATHRI	III BSC CS
9.	2001CA10213	S.DURGA	III BCA
10.	2001CA10210	B.RABECCA	III BCA
11.	2001CA10203	B.PRIYADHRSINI	III BCA
12.	2001CA10206	B.ISWARYA	III BCA
13.	2101CA20205	G.VEERAMANI	II MCA
14.	2101CA20212	B.SUMITHA	II MCA
15.	2101CA20209	S.SABITHA	II MCA
16.	2101CA20206	S.PAVITHRA	II MCA
17.	2201CA10105	R.DINESH	I BCA
18.	2201CA10123	V.PRAVIN	I BCA
19.	2201CA10132	K.BALAJI	I BCA
20.	2201CA10138	KARTHICKRAJ	I BCA
21.	2201CA10129	K.MANIMARAN	I BCA
22.	2201PC20205	K.PARIMALA	I BSC BIOCHEMISTRY
23.	2201PC20206	K.SUGUNA	I BSC BIOCHEMISTRY
24.	2201PC20207	S.PRIYADHARSHINI	I BSC BIOCHEMISTRY
25.	2201PC20208	R.ROSHINI	I BSC BIOCHEMISTRY
26.	2201PC20209	B.NIRMALA	I BSC BIOCHEMISTRY
27.	2201PC20210	A.GAYATHRI	I BSC BIOCHEMISTRY
28.	2201PC20211	N.SOFIYA	I BSC BIOCHEMISTRY
29.	2101PC20201	ARUNA V	II BSC BIOCHEMISTRY
30.	2101PC20202	S.MANJUBALA	II BSC BIOCHEMISTRY
31.	2101PC20203	A DURGA	II BSC BIOCHEMISTRY
32.	2101PC20204	B.ANUSUYA	II BSC BIOCHEMISTRY
33.	2101PC20205	V.ABITHA	II BSC BIOCHEMISTRY
34.	2001MB10101	S.MOHAMED FASHID	III BSC MICROBIOLOGY
35.	2001MB10102	T.ABDUL AZEEZ	III BSC MICROBIOLOGY
36.	2001MB10103	S.THIYAGARAJAN	III BSC MICROBIOLOGY

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37.	2001MB10104	A.RAFIUDEEN	III BSC MICROBIOLOGY
38.	2001MB10105	A.JERON JEROLD	III BSC MICROBIOLOGY
39.	2001MB10106	K SIVA KARTHICK RAJA	III BSC MICROBIOLOGY
40.	2001MB10107	K.KAVIRAJ	III BSC MICROBIOLOGY
41.	2001MB10201	J.DHARANIK	III BSC MICROBIOLOGY
42.	2001MB10202	G.MONIKA	III BSC MICROBIOLOGY
43.	2001MB10203	M.NIVETHITHA	III BSC MICROBIOLOGY
44.	2001MB10204	C JOHNSINA	III BSC MICROBIOLOGY
45.	2001MB10205	R SATHIYA PRIYA	III BSC MICROBIOLOGY
46.	2001MB10206	M.GAYATHRI	III BSC MICROBIOLOGY
47.	2001MB10207	M.FASEEHA	III BSC MICROBIOLOGY
48.	2001MB10208	J GOWSALYA	III BSC MICROBIOLOGY
49.	2001MB10209	S KIRUTHIKA	III BSC MICROBIOLOGY
50.	2001MB10210	R.RAGAVI	III BSC MICROBIOLOGY
51.	2001MB10211	S.VISALI	III BSC MICROBIOLOGY
52.	2001MB10212	R.POONGOTHAI	III BSC MICROBIOLOGY
53.	2001MB10213	B.PAVITHA	III BSC MICROBIOLOGY
54.	2001MB10214	A.LAVANYA	III BSC MICROBIOLOGY
55.	2001MB10216	R.NITHIYA	III BSC MICROBIOLOGY
56.	2001PC10101	P.VIGNESH	III BSC BIOCHEMISTRY
57.	2001PC10102	A.NAVEEN NAYAGAN	III BSC BIOCHEMISTRY
58.	2001PC10103	N.SIVA	III BSC BIOCHEMISTRY
59.	2001BC10104	B.BARATHRAJ	III BSC BIOCHEMISTRY
60.	2001BC10105	M.THIRUMOORTHGI	III BSC BIOCHEMISTRY
61.	2001BC10106	V.AKASH	III BSC BIOCHEMISTRY
62.	2001BC10107	M.VIGNESH	III BSC BIOCHEMISTRY
63.	2001PC10101	KS THIRUMAVALAVAN	III BSC BIOCHEMISTRY
64.	2001PC10102	P.VIGNESH	III BSC BIOCHEMISTRY
65.	2001BT10201	K.AARTHI	III BSC BIOTECHNOLOGY
66.	2001BT10202	K.DEEPIKA	III BSC BIOTECHNOLOGY
67.	2001BT10203	S,ABIRAMI	III BSC BIOTECHNOLOGY
68.	2001BT10204	B.RENUGA	III BSC BIOTECHNOLOGY
69.	2001BT10206	P.KIRUTHIKA	III BSC BIOTECHNOLOGY
70.	2001BT10207	T.DHARANI	III BSC BIOTECHNOLOGY
71.	2001BT10208	MADHUMITHA.K	III BSC BIOTECHNOLOGY
72.	2001BT10209	V.KEERTHANA	III BSC BIOTECHNOLOGY
73.	2001BT10210	R.JENIFER	III BSC BIOTECHNOLOGY
74.	2001BT10101	D.MAGESHWARAN	III BSC BIOTECHNOLOGY
75.	2001BT10102	M.ANSARALI	III BSC BIOTECHNOLOGY
76.	2001BT10103	A.RAVICHANDRAN	III BSC BIOTECHNOLOGY

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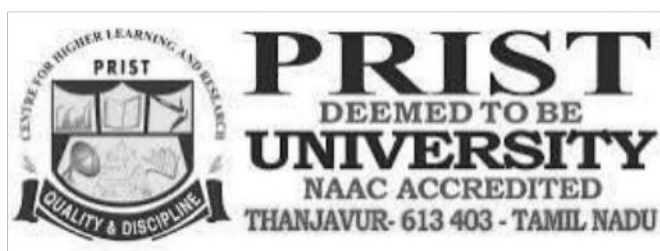
77.	2001BT10104	J.MOHAMED SIDDO	III BSC BIOTECHNOLOGY
78.	2001BT10105	B.DHANUSHKANNA	III BSC BIOTECHNOLOGY
79.	2001BT10106	M.SUBASH	III BSC BIOTECHNOLOGY
80.	2001BT10107	M.PUNNIYAMOORTHY	III BSC BIOTECHNOLOGY
81.	2001BT10108	Y.SAMDENIYAL	III BSC BIOTECHNOLOGY
82.	2001BT10109	V.SARAVANAN	III BSC BIOTECHNOLOGY
83.	2001BT10101	D.MAGESHWARAN	III BSC BIOTECHNOLOGY
84.	2001BT10102	M.ANSARALI	III BSC BIOTECHNOLOGY
85.	2001CH10101	S SAKTHI THARUNAN	III BSC CHEMISTRY
86.	2001CH10102	Z.MOHAMED ARIF	III BSC CHEMISTRY
87.	2001CH10103	S BALAKUMAR	III BSC CHEMISTRY
88.	2001CH10104	P.THANDAYUTHAPANDI	III BSC CHEMISTRY
89.	2001CH10105	R ASWANTH	III BSC CHEMISTRY
90.	2001PH10101	M.SIVARAJU	III BSC PHYSICS
91.	2001PH10102	K.RANJITH KUMAR	III BSC PHYSICS
92.	2001PH10103	A.MARIA JERON ROY	III BSC PHYSICS
93.	2001PH10104	M.SANTHOSH KUMAR	III BSC PHYSICS
94.	2001PH10201	R.SENGA	III BSC PHYSICS
95.	2001MA10201	B.SWARNAMUHIL	III BSC MATHS
96.	2001MA10202	M.EZHILARASI	III BSC MATHS
97.	2001EN10201	R.SRIPRIDHA	III BSC ENGLISH
98.	2001EN10202	J.RAJA SREE	III BSC ENGLISH
99.	2001EN10203	J.LAKSHMI PRIYA	III BSC ENGLISH
100.	2001EN10204	G.RESHMA	III BSC ENGLISH
101.	2001EN10205	G KAVYA	III BSC ENGLISH
102.	2001EN10101	M.Mohan Raj	III BSC ENGLISH
103.	2101EN10101	Jayavanan	II BSC ENGLISH
104.	2101E10201	S.Disha	II BSC ENGLISH
105.	2201EN10201	Devi sri	I BSC ENGLISH
106.	2101CS10205	A.RAMYA	III BCS CS
107.	2001PC10208	J.KAVYA	III BSC BIOCHEMISTRY
108.	2101PC10201	S.ANJALI	II BSC BIOCHEMISTRY
109.	2101MA20208	D.VENILA	II MSC MATHS

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PRIST/E&T/EEE/22-23/ 2

Date: 01.11.2022

CIRCULAR

SUB: One day programme on “WWW OF PES AND IAS”


It is informed that a One day programme on WWW OF PES AND IAS be arranged by the Department of Electrical and Electronics Engineering on 07.11.2022 for the academic year 2022-2023. Heads of the departments are requested to inform their students to attend the programme. HODs are also requested to nominate one faculty member to co-ordinate the same.



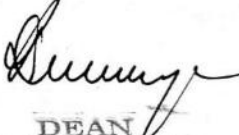
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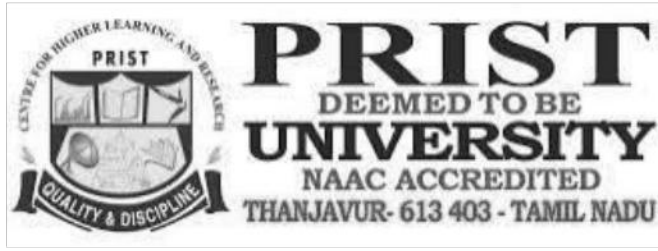
1. Hon'ble Chancellor(for your kind information)
2. Hon'ble Vice Chancellor(for your kind information)
3. The Registrar
4. Registrar Office
5. HODs–CSE/Civil/ECE/Mech



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TIME TABLE

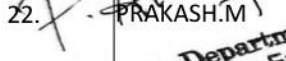
Date	Time	Topic	Resource Person
07.11.2022	10.00 A.M-12.30 P.M	WWW OF PES AND IAS	Dr. P.SELVAN Professor NIT, TRICHY

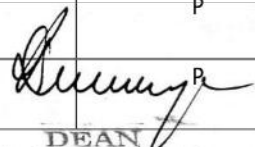
P. Anand
Head of the Department
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S. Suresh
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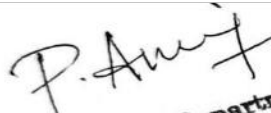
STUDENTS ATTENDANCE

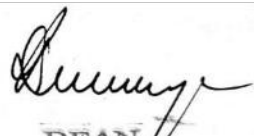
S.NO	NAME OF THE STUDENTS	REG NO	ATTENDANCE
1.	SRIGANESHG	1901EE1001	P
2.	DHARANESHWARANR	1901EE1002	P
3.	FAYASAHAMED.N	1901EE1003	P
4.	SRIRAMS	1901EE1005	P
5.	MANIKANDANM	1901EE1006	P
6.	ARIHARAN. M	1901EE1007	P
7.	HARIHARAN.K	1901EE1008	P
8.	UMARSHAROOKK	1901EE1009	P
9.	RAJADUR AIS	1901EE1010	P
10.	DHIVAKARS	2001EE13101	P
11.	DHINESHKUMAR S	2001EE13102	P
12.	ABDULAJEEZ.P	2001EE13103	P
13.	ABISHEK.R	1901CV1025	P
14.	DEEPAN.B	1901CV1026	P
15.	DEVAKANNAN.S	1901CV1027	P
16.	DIVVIGA.G	1901CV1028	P
17.	GOPINATHAN.P	1901CV1029	P
18.	HITESH.D	1901CV1030	P
19.	NAVEEN.K	1901CV1031	P
20.	NIRAIMATHI.K	1901CV1032	P
21.	NIVEDHA.K	1901CV1033	P
22.	PRAKASH.M	1901CV1034	P


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23.	PRAVEENKUMAR.K	1901CV1035	P
24.	KHALID AHAMED.S	1901ME1501	P
25.	SHIEK FARGHAN J	1901ME1004	P
26.	VIGNESH.K	1901ME1005	P
27.	SAI GOWTHAM P	1901ME1006	P
28.	MUKUNDAN K	1901ME1007	P
29.	MOHAMED NIFAN M	1901ME1008	P
30.	YOGESHWARAN.P.L	1901ME1009	P
31.	VISWANATH.K	1901ME1010	P
32.	VIGNESHWARAN S	1901ME1011	P
33.	MANIKANDAN.V	1901ME1012	P
34.	ASHOK KUMAR.R	1901EC1014	P
35.	BHUVANESH.K	1901EC1015	P
36.	VIJAY.D	1901EC1016	P
37.	PRAGADEESH.T	1901EC1017	P
38.	BADRINATH.M	1901EC1018	P
39.	SINDHUJA.J	1901EC1019	P
40.	SNEKA.M	1901EC1020	P
41.	GOWTHAMAN D	1901CE1001	P
42.	DHANESH N	1901CE1002	P
43.	SAMU K	1901CE1003	P
44.	ASHOK KUMAR M	1901CE1004	P
45.	SANTHIYA R	1901CE1005	P


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


PRIST/E&T/EEE/22-23/ 3

Date: 03.11.2022

CIRCULAR

SUB: One day Programme on “Energy storage and V2G to improve dynamics of Re Rich Power Systems”

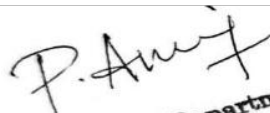
It is informed that a One day programme on Energy storage and V2G to improve dynamics of Re Rich Power Systems be arranged by the Department of Electrical and Electronics Engineering on 09.11.2022 for the academic year 2022-2023. Heads of the departments are requested to inform their students to attend the programme. HODs are also requested to nominate one faculty member to co-ordinate the same.



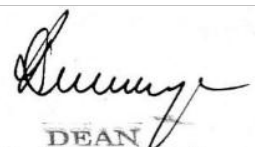
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2. Hon'ble Vice Chancellor(for your kind information)
3. The Registrar
4. Registrar Office
5. HODs–CSE/Civil/ECE/Mech



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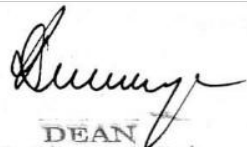
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About the Programme

Vehicle-to-grid (V2G) shows promise in optimizing the power demand, shaping the load variation, and increasing the sustainability of smart grids. However, no comprehensive paper has been compiled regarding the operation of V2G and types, current ratings and types of EV in sells market, policies relevant to V2G and business model, and the implementation difficulties and current procedures used to cope with problems.

Energy is one of the key requirements for development of industrial and commercial sectors in the country. With the increased demand of energy and faster depletion of conventional energy sources like petroleum extracts, the alternative solutions to retain the reserves are increasing Energy Efficiency and integration of renewable energy sources. World action plans with respect to CO₂ mitigation and climate change has a remarkable action in cutting down of coal and gas based conventional power generation. For a sustainable development, the penetration of renewable energy sources to the power grid has a commendable increase in the past five years and will continue as such. With the increased tying of renewable energy sources such as solar and wind has resulted in attachment of more power converters to the power system leading to power system stability issues. Frequency instability including larger Rate of Change of Frequency (ROCOF) and reduction of system inertia are addressed. The Battery Energy Storage System (BESS) seems to be a feasible solution.


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TIME TABLE

Date	Time	Topic	Resource Person
09.11.2022	10.30 A.M-12.30 P.M	Energy storage and V2G to improve dynamics of Re Rich Power Systems	Mr. Ahamed Arif Assistant Enginee TNEB, Pudukkottai

P. Arif

Head of the Department
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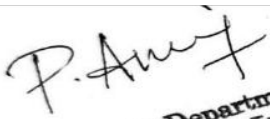
Students attendance

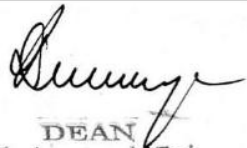
S.NO	NAME OF THE STUDENTS	REG NO	ATTENDANCE
1.	RAJESH G	1901PS2001	P
2.	SELVARASAN B	1901PS2002	P
3.	SIVAPAKKIAM P	1901PS2003	P
4.	VEERAKUMAR C	1901PS2004	P
5.	DHASARATHARAJAN S	1901PS2005	P
6.	MUGUNTHAN B	1901PS2006	P
7.	RAMESH BABU C	1901PS2007	P
8.	MARIMUTHU T	1901PS2008	P
9.	SIVARANJINI R	1901PS2009	P
10.	SUGILRAJ M	1901PS2010	P
11.	NITHISH KUMAR K M	1901PS2011	P
12.	UDHYANITHI S	1901PS2012	P
13.	RAMESH A	1901PS2013	P
14.	UDHAYAKUMAR D	1901ME1826	P
15.	KUMAR S	1901ME1827	P
16.	VELAYUTHAM T	1901ME1828	P
17.	RUPESH KUMAR	1901ME1829	P
18.	NAWAL KISHOR	1901ME1830	P
19.	VEERAPPAN .R	1901ME1831	P
20.	DINESH KUMAR S	1901ME1832	P
21.	SASIKUMAR B	1901ME1833	P
22.	NAINA MOHAMEDJHAVITH A	1901ME1834	P

P. Anuj
Head of the Department
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23	R. PRIMIYA	1901EC1801	P
24	R. RAJAPRIYA	1901EC1802	P
25	V. MURUGAN	1901EC1803	P
26	J. MANIGANDAN	1901EC1804	P
27	DAVID JEYAPPAUL A.	1901EC1805	P
28	GOWTHAMAN D	1901CE1001	P
29	DHANESH N	1901CE1002	P
30	SAMU K	1901CE1003	P
31	ASHOK KUMAR M	1901CE1004	P
32	M. RAJ KUMAR	1901EC1004	P
33	P. GOKULA KRISHNAN	1901EC1005	P
34	M. F. AHMED RAMEEZ	1901EC1006	P
35	ARUN M.	1901EC1007	P
36	SUDHARSAN.P	1901EC1008	P
37	ANANTHARAMAN S	1901ECS1622	P
38	M..AMRUTHA	1901ECS1623	P
39	M. SRITHAR	1901CV18114	P
40	P. ARUNKUMAR	1901CV18115	P
41	M. NIRMALA	1901CV18116	P
42	U. PARTHASARATHI	1901CV18117	P
43	M. UMARANI	1901CV18118	P
44	P. VENKATESH	1901CV18119	P
45	K.R. HARIHARAN	1901CV18120	P
46	AMIT KUMAR	1901CV18121	P
47	M. RANJITH KUMAR	1901CV18122	P
48	A.GOPALAKRISHNAN	1901CV18123	P
49	S. AMIRTHAVALLI	1901CV18124	P
50	S. KARTHIKEYAN	1901CV18125	P


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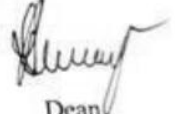
PRIST/E&T/EEE/22-23/ 4

Date: 02.01.2023

CIRCULAR

**SUB: One day Webinar on Deployment strategies for EV
Charging Infrastructure”**

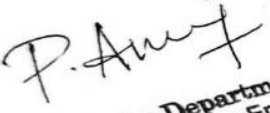
It is informed that a One day programme on Webinar on Deployment strategies for EV Charging Infrastructure be arranged by the Department of Electrical and Electronics Engineering on 06.01.2023 for the academic year 2022-2023. Heads of the departments are requested to inform their students to attend the programme. HODs are also requested to nominate one faculty member to co-ordinate the same.



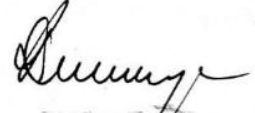
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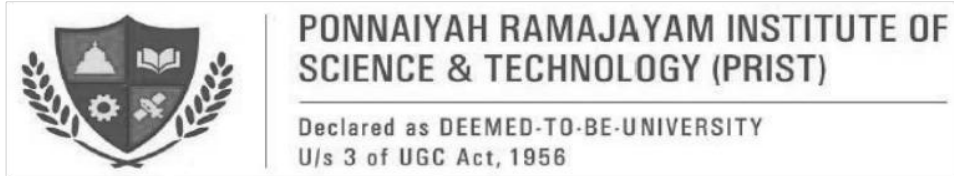
6. Hon'ble Chancellor(for your kind information)
7. Hon'ble Vice Chancellor(for your kind information)
8. The Registrar
9. Registrar Office
10. HODs–CSE/Civil/ECE/Mech



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

About the Programme

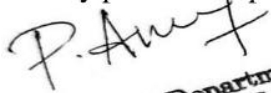
This webinar on public charging infrastructure in the frame of the GEF Global e-mobility programme's Working Group 4 on charging and grid integration.

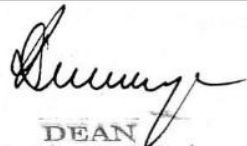
The webinar will address public charging infrastructure roll-out strategies and regulatory measures to enable successful business models. Expert presentations will allow listeners to understand the strategies for the deployment of public charging infrastructure and identify relevant business models. The presentations will be followed by a panel discussion with a focus on infrastructure deployment in emerging economies.

Bringing energy, mobility and real estate business leaders together to propose a common vision of interconnected system that can improve the business case for charging infrastructure deployment and catalyze EV market growth.

The potential of electric vehicles

EVs have great potential as a way for cities to reduce local air pollution, greenhouse gas emissions and transport sector oil use. When powered by renewable energy, EVs can produce zero emissions at the vehicle tailpipe and much lower life-cycle emissions. However, they still contribute to congestion and air pollution due to particles released from tyres and braking. Therefore, a shift to EVs should be positioned within a wider plan for most city journeys to be made by public transport, bike or on foot.


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TIME TABLE

Date	Time	Topic	Resource Person
06.01.2023	10.30 A.M-12.30 P.M	Webinar on Deployment strategies for EV Charging Infrastructure”	Dr. J. Jawahar Babu Assistant professor Madanapalle Institute of Tech & Science, AP

P. Anand

Head of the Department
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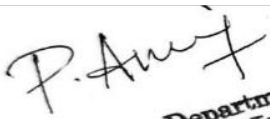
Students attendance

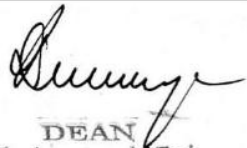
S.NO	NAME OF THE STUDENTS	REG NO	ATTENDANCE
1)	S.RAJESH	2101EE13119	P
2)	S.SARAVANAN	2101EE13120	P
3)	V.SUGUMAR	2101EE13121	P
4)	RAJKUMAR.R	2101EE13122	P
5)	RAMKUMAR.L	2101EE13123	P
6)	RAMADOSS.G	2101EE13124	P
7)	SHARSATH ALI.S	2101EE13125	P
8)	VEERAMANI.K	2101EE13126	P
9)	VIJAYARASU.S	2101EE13127	P
10)	RAJESHWARI.K	2101EE13128	P
11)	AMUTHA .R	2101EE13129	P
12)	SWEATHA.H	2101EE13130	P
13)	SHANMUGARAJ P	2101EE13131	P
14)	SANJAY.K	2101EE13132	P
15)	ROBINSON M.	2001EC1004	P
16)	K. JAMUNA	2001EC1005	P
17)	R.SADHEESH	2001EC1006	P
18)	B. VINAY REDDY	2001EC1007	P
19)	SAKTHIVEL.D	2001EC13101	P
20)	UMA MAHESWARI.J	2001EC13102	P
21)	KARTHIK.P	2001EC13103	P
22)	SARAVANAN.T	2001EC13104	P

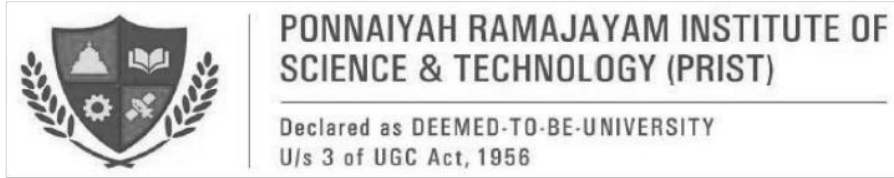
P. Anuj
Head of the Department
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23	NIRANJAN. I	2001CE10101	P
24	BALAKRISHNAN .S	2001CE10102	P
25	M. MANOTHAN	2001CE10103	P
26	MUSTHAK HUSSAIN. J	2001CE10105	P
27	THIYAGU. S	2001CE10106	P
28	NAVEEN. R	2001CE10107	P
29	ASHVANTHAN. J.P	2001CE10108	P
30	THANOOSHWARAN. R	2001CE10109	P
31	NISHANTH. M.R	2001CE10110	P
32	BHUVANESH. K	2001CE10111	P
33	HARSHA.B	2101CE1022	P
34	MOHAMED HISHAM.S	2101CE1023	P
35	NISHA.D	2101CE1024	P
36	DIVYABHARATHI.R	2101CE1025	P
37	ABIMANYU S	2001ME10101	P
38	B.AKASH	2001ME10102	P
39	MOHAMED BAZEER J	2001ME10103	P
40	Sheik abdulla.A	2101ME13102	P
41	N. EJAAS	2101ME13103	P
42	A.Bharathidhasan	2101ME13105	P
43	R.Karthik Raja	2101ME13106	P
44	PRASANNA NARAYANAN. S	2101CE13104	P
45	SIVAKUMARAN.V	2101CE13105	P
46	VIGNESH.B	2101CE13129	P
47	DEENADAYALAN.A	1901CE1008	P
48	MOHAMED JAVID.M	2101CE1001	P
49	SHAHEEN S	2101CE1002	P
50	MOHAMED HISHAM.P	2101CE1003	P


Head of the Department
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PRIST/E&T/EEE/22-23/ 5

Date: 03.01.2023

CIRCULAR

SUB: One day programme on “Into the Skies – The Squad Club”

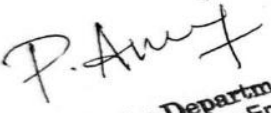
It is informed that a One day programme on Into the Skies – The Squad Club be arranged by the Department of Electrical and Electronics Engineering on 13.01.2023 for the academic year 2022-2023. Heads of the departments are requested to inform their students to attend the programme. HODs are also requested to nominate one faculty member to co-ordinate the same.



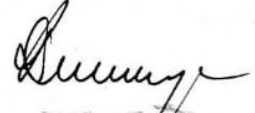
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12. Hon'ble Vice Chancellor(for your kind information)
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14. Registrar Office
15. HODs–CSE/Civil/ECE/Mech



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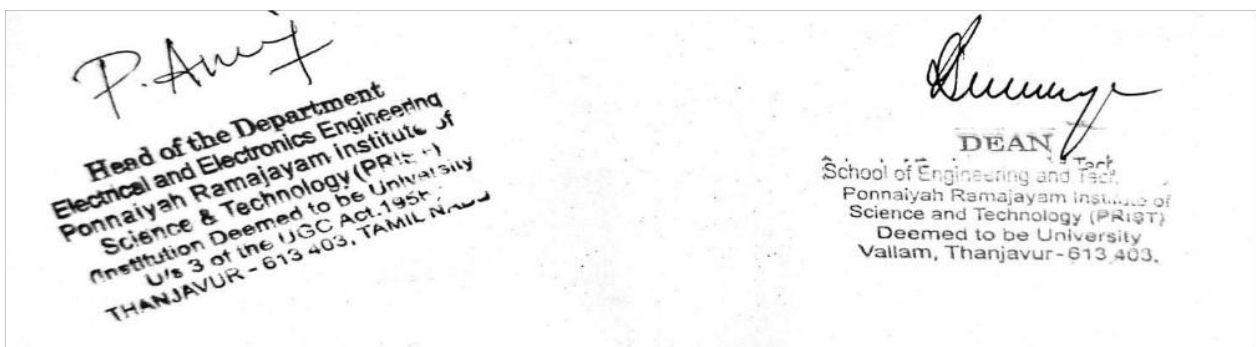
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

About the Programme

The major focus of the club is to foster scientific temper among the students about the field of astronomy and astrophysics. The club actively works with the students to bring about seminars, technical sessions, exhibitions and workshops that promote their curiosity towards astrophysics and space phenomena.

Objectives Of The Club

1. To nurture a scientific passion towards the development of astronomy and related technology.
2. To assist the students to participate in various science outreach programmes.
3. To arrange sky watching sessions for students and the public at chosen sites using various telescopes.
4. To organise technical visit to renowned institutes so as to explore the advancements in the field of astronomy and allied fields.
5. To conduct lectures, demonstrations and webinars by eminent scientists around the globe.
6. To motivate the students to take part in projects, competitions and summer camps organised by institution in the field of astronomy and astrophysics.
7. To organise intercollegiate competitions in the field of astronomy and astrophysics.





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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TIME TABLE

Date	Time	Topic	Resource Person
13.01.2023	10.00 A.M-12.30 P.M	Into the Skies – The Squad Club	Mr. P. SELVAN Professor NIT, TRICHY

P. Anand

Head of the Department
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Students attendance

S.NO	NAME OF THE STUDENTS	REG NO	ATTENDANCE
1)	AKILAN.T	2101EE10103	P
2)	ABDUL SHAFEELA.A	2101EE10101	P
3)	ABINESH.K.A	2101EE10102	P
4)	AMAREESH.A	2101EE10104	P
5)	AROCKIA SAMY.S	2101EE10105	P
6)	CHITRABARATHY.P	2101EE10106	P
7)	DINESHKUMAR.A	2101EE10107	P
8)	GUNASEELAN.S	2101EE10108	P
9)	IYYAPPAN.K	2101EE10109	P
10)	JOHNPAUL.A	2101EE10110	P
11)	KANDHAVELAN.R	2101EE10111	P
12)	KANMANY.P	2101EE10112	P
13)	KARTHIKEYAN.T.K	2101EE10113	P
14)	MANIMEGALAI.R	2101EE10115	P
15)	MOHAMED HAKKIM.M	2101EE10117	P
16)	MUKESH.B	2101EE10118	P
17)	MUKESH.N.N	2101EE10120	P
18)	AADHIRAI M	2101CV10101	P
19)	ABDULKHADER R	2101CV10102	P
20)	AHAMED FAZURAN M	2101CV10103	P
21)	AJITH G	2101CV10104	P
22)	AADHIRAI M	2101CV10101	P

P. Anuj
Head of the Department
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Students attendance

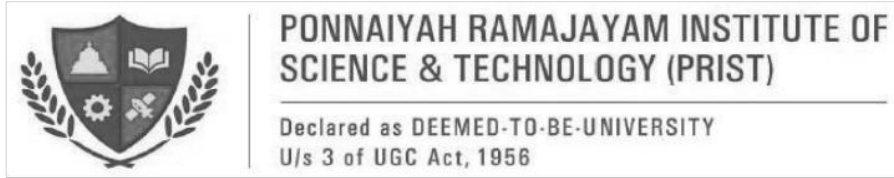
S.NO	NAME OF THE STUDENTS	REG NO	ATTENDANCE
23	MANIKANDAN	2101ME10101	P
24	TAMILVENTHAN	2101ME10102	P
25	VINOTHRAJ M	2201ME13101	P
26	HARISHWARAN V	2201ME13102	P
27	CHANAKEYAN T	2201ME13103	P
28	SANTHOSH RAMAN K R	2201ME13104	P
29	ADITHYAN B	2201ME13106	P
30	ASRATH SATHICK A	2201ME13108	P
31	SANTHOSH S	2201ME13109	P
32	PARTHIBAN R	2201ME13110	P
33	MOOVENDAR P	2201ME13111	P
34	AJITH KUMAR S	2201ME13112	P
35	AKASH P	2201ME13113	P
36	ATCHAYA KUMAR P	2201ME13114	P
37	ABDULKHADER R	2101CV10102	P
38	AHAMED FAZURAN M	2101CV10103	P
39	AJITH G	2101CV10104	P
40	AADHIRAI M	2101CV10101	P

P. Anand

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PRIST/E&T/EEE/22-23/ 6

Date: 24.01.2023

CIRCULAR

SUB:One day Webinar “Renewable Energy and its Opportunities”

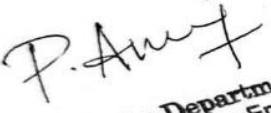
It is informed that a One day programme on Webinar on Renewable Energy and its Opportunities be arranged by the Department of Electrical and Electronics Engineering on 31.01.2023 for the academic year 2022-2023. Heads of the departments are requested to inform their students to attend the programme. HODs are also requested to nominate one faculty member to co-ordinate the same.



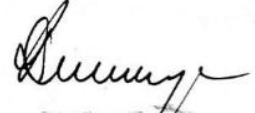
Dean
DEAN
School of Engineering and Techn.
Ponnaiyah Ramajayam Institute of
Science and Technology (PRIST)
Deemed to be University
Vallam, Thanjavur - 613 403.

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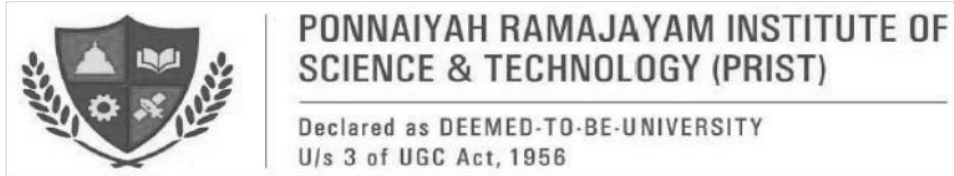
16. Hon'ble Chancellor(for your kind information)
17. Hon'ble Vice Chancellor(for your kind information)
18. The Registrar
19. Registrar Office
20. HODs–CSE/Civil/ECE/Mech



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

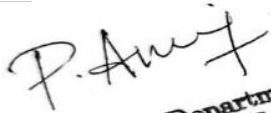
About the Programme

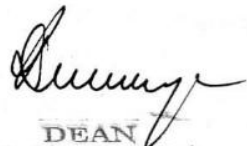
Renewable energy is energy derived from natural sources that are replenished at a higher rate than they are consumed. Sunlight and wind, for example, are such sources that are constantly being replenished. Renewable energy sources are plentiful and all around us. Bringing energy, mobility and real estate business leaders together to propose a common vision of interconnected system that can improve the business case for charging infrastructure deployment and catalyze EV market growth.

Benefits of Renewable Energy

The advantages of renewable energy are numerous and affect the economy, environment, national security, and human health.

- Enhanced reliability, security, and resilience of the nation's power grid
- Job creation throughout renewable energy industries
- Reduced carbon emissions and air pollution from energy production
- Increased U.S. energy independence
- Increased affordability, as many types of renewable energy are cost-competitive with traditional energy sources
- Expanded clean energy access for non-grid-connected or remote, coastal, or islanded communities.


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SCHOOL OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TIME TABLE

Date	Time	Topic	Resource Person
31.01.2023	10.30 A.M-12.30 P.M	Renewable Energy and its Opportunities	Mr. K. Kannadasan Assistant Engineer TNEB, Vallam

P. Anand
Head of the Department
Electrical and Electronics Engineering
Ponnaiyah Ramajayam Institute of
Science & Technology (PRIST)
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Students attendance

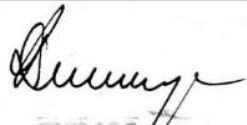
S.NO	NAME OF THE STUDENTS	REG NO	ATTENDANCE
23.	GUNASEELAN.S	2101EE10108	P
24.	IYYAPPAN.K	2101EE10109	P
25.	JOHNPAUL.A	2101EE10110	P
26.	KANDHAVELAN.R	2101EE10111	P
27.	KANMANY.P	2101EE10112	P
28.	KARTHIKEYAN.T.K	2101EE10113	P
29.	MANIMEGALAI.R	2101EE10115	P
30.	MOHAMED HAKKIM.M	2101EE10117	P
31.	MUKESH.B	2101EE10118	P
32.	MUKESH.N.N	2101EE10120	P
33.	PANDIDURAI.S	2101EE10121	P
34.	PRABAKARAN.A	2101EE10122	P
35.	PRAKASH.P	2101EE10123	P
36.	RAJESH.R	2101EE10124	P
37.	HARIPRASANTH S	2101EC2101	P
38.	NARESH U	2101EC2102	P
39.	SWETHA S	2101EC2103	P
40.	UNIS KHAN A	2101EC2104	P
41.	UVAN SHANKAR S	2101EC2105	P
42.	MOHAMED UWAI S	2101EC2106	P
43.	NAVEEN KUMAR K	2101EC2107	P
44.	N.NANDHINI	2101EC2108	P

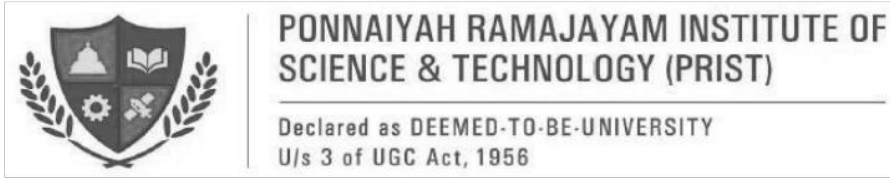
P. Anuj
Head of the Department
Electrical and Electronics Engineering
Ponnaiyah Ramajayam Institute of
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S. Suresh
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23	G.SURIYA	2101CE13204	P
24	J.NOOR MOHAMED	2201CE13103	P
25	N.VIGNESH	2201CE13104	P
26	K.S.NAVEEN	2201CE13105	P
27	A.VIGNESH KUMAR	2101CE13231	P
28	VENKATESHWARAN	2201CE13107	P
29	G.PARVIN	2201CE13110	P
30	S.SUSHMA	2101CE13206	P
31	P.GOWTHAM	2201CE13111	P
32	R.SATHIS KANNAN	2201CE13112	P
33	RIYAS .J	2201CE13113	P
34	SHEIK .H	2201CE13114	P
35	KANISHA R	2201CE13115	P
36	BHARATHI .D	2201CE13116	P
37	MANIKANDAN	2101ME10101	P
38	TAMILVENTHAN	2101ME10102	P
39	VINOTHAJ M	2201ME13101	P
40	HARISHWARAN V	2201ME13102	P
41	CHANAKEYAN T	2201ME13103	P
42	SANTHOSH RAMAN K R	2201ME13104	P
43	ADITHYAN B	2201ME13106	P
44	ASRATH SATHICK A	2201ME13108	P
45	SANTHOSH S	2201ME13109	P
46	PARTHIBAN R	2201ME13110	P
47	MOOVENDAR P	2201ME13111	P
48	AJITH KUMAR S	2201ME13112	P
49	AKASH P	2201ME13113	P
50	ATCHAYA KUMAR P	2201ME13114	P


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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PRIST/E&T/EEE/22-23/ 7

Date: 02.03.2023

CIRCULAR

SUB: One day programme on “Development in Astrophysics”

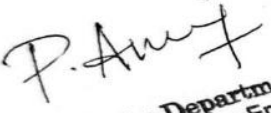
It is informed that a One day programme on Development in Astrophysics be arranged by the Department of Electrical and Electronics Engineering on 24.03.2023 for the academic year 2022-2023. Heads of the departments are requested to inform their students to attend the programme. HODs are also requested to nominate one faculty member to co-ordinate the same.



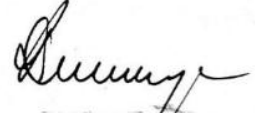
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23. The Registrar
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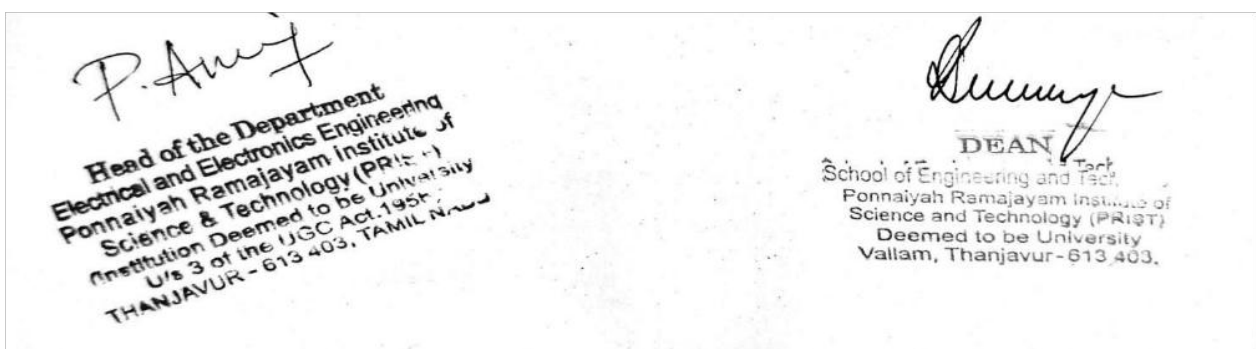
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

About the Programme

Astrophysics is a branch of space science that applies the laws of physics and chemistry to seek to understand the universe and our place in it. The field explores topics such as the birth, life and death of stars, planets, galaxies, nebulae and other objects in the universe.

The origins of astrophysics can be traced back to the advent of a single physics in the seventeenth century, in which the same rules applied to the celestial and terrestrial realms. There were scientists who were trained in both physics and astronomy who laid the groundwork for today's astrophysics research.

In practice, modern astronomical research often involves a substantial amount of work in the realms of theoretical and observational physics. Some areas of study for astrophysicists include their attempts to determine the properties of dark matter, dark energy, black holes, and other celestial bodies; and the origin and ultimate fate of the universe. Topics also studied by theoretical astrophysicists include Solar System formation and evolution; stellar dynamics and evolution; galaxy formation and evolution; magneto hydrodynamics; large-scale structure of matter in the universe; origin of cosmic rays; general relativity, special relativity, quantum and physical cosmology, including string cosmology and astro particle physics.





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SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

TIME TABLE

Date	Time	Topic	Resource Person
24.03.2023	10.30 A.M-12.30 P.M	Development in Astrophysics	Mr. K. Swaminathan Assistant professor PRIST UNIVERSITY

P. Anand

Head of the Department
Electrical and Electronics Engineering
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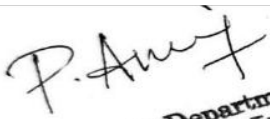
Students attendance

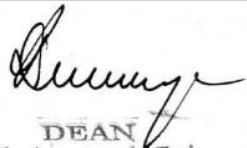
S.NO	NAME OF THE STUDENTS	REG NO	ATTENDANCE
1)	MURALIDHARAN R	2001EE10101	P
2)	AKASH A	2001EE10102	P
3)	SHANMUGARAJ C	2101EE13101	P
4)	RAJESH KANNAN S	2101EE13102	P
5)	KARTHICKKEYAN.S	2101EE13103	P
6)	VIJAYARAGAVAN.R	2101EE13104	P
7)	AL AJMAL HAJA.K	2101EE13105	P
8)	ARSATH HUSSAIN.AJ	2101EE13106	P
9)	SANTHOSH.P	2101EE13107	P
10)	SANJAY.M	2101EE13109	P
11)	R.HARIHARAN	2101EE13110	P
12)	SATHEESH M.	2001EC1001	P
13)	MATHAN B.	2001EC1002	P
14)	S. EVANGELINE RENILDA	2001EC1003	P
15)	ROBINSON M.	2001EC1004	P
16)	K. JAMUNA	2001EC1005	P
17)	R.SADHEESH	2001EC1006	P
18)	B. VINAY REDDY	2001EC1007	P
19)	SAKTHIVEL.D	2001EC13101	P
20)	UMA MAHESWARI.J	2001EC13102	P
21)	KARTHIK.P	2001EC13103	P
22)	SARAVANAN.T	2001EC13104	P

P. Anir
Head of the Department
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23	NIRANJAN. I	2001CE10101	P
24	BALAKRISHNAN .S	2001CE10102	P
25	M. MANOTHAN	2001CE10103	P
26	MUSTHAK HUSSAIN. J	2001CE10105	P
27	THIYAGU. S	2001CE10106	P
28	NAVEEN. R	2001CE10107	P
29	ASHVANTHAN. J.P	2001CE10108	P
30	THANOOSHWARAN. R	2001CE10109	P
31	NISHANTH. M.R	2001CE10110	P
32	BHUVANESH. K	2001CE10111	P
33	HARSHA.B	2101CE1022	P
34	MOHAMED HISHAM.S	2101CE1023	P
35	NISHA.D	2101CE1024	P
36	DIVYABHARATHI.R	2101CE1025	P
37	ABIMANYU S	2001ME10101	P
38	B.AKASH	2001ME10102	P
39	MOHAMED BAZEER J	2001ME10103	P
40	Sheik abdulla.A	2101ME13102	P
41	N. EJAAS	2101ME13103	P
42	A.Bharathidhasan	2101ME13105	P
43	R.Karthik Raja	2101ME13106	P
44	J.Praveen	2101ME13107	P
45	A.AJMAL HUSSAIN	2101ME13109	P
46	K.HARI HARAN	2101ME13110	P
47	E DIVIJ SHANOON	2101ME13111	P
48	V.Yashwanth	2101ME13112	P
49	VIGNESH. M	2101ME13113	P
50	V.Vignesh	2101ME13114	P


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Ref:_PRIST/CIRC/09-04/2022

Date: 07.09.2022

CIRCULAR

Sub: Role of Engineering for Sustainable Environment-reg.,

It is hereby informed that Program on **Role of Engineering for Sustainable Environment** will be conducted on 15.09.2022 (Thursday).

We cordially invite all students and teaching staffs to attend their event.

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Vice Chancellor

Pro Vice Chancellor

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Research/Academic Affairs/Students Affairs

Directors : Admission/RDC/Library/IQAC/PED

System Admin

File



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ABOUT THE INSTITUTION

Ponnaiyah Ramajayam Institute of Science and Technology (PRIST), a Deemed University (U/s 3 of the UGC Act 1956), is one of the renowned units of Ponnaiyah Ramajayam Institutions, which are serving for more than 25 years in promoting quality education and research for our Indian community, since its Inception. The institution is now brimming with many social responsibilities, particularly in promoting quality education through research.

Role of Engineering for Sustainable Environment

There are several reasons why manufacturers should focus on sustainable engineering:

- To reduce overall CO2 emissions
- To minimize energy & materials consumption, which increases operational efficiency by reducing costs
- To build in recyclability and reuse, which optimizes the top and bottom line
- To improve company culture, employee engagement, and customer satisfaction
- To increase competitive advantage, strengthen the brand, and build public trust
- To compete in markets with strict environment, health, and safety regulations

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Use resources effectively
When designing products, engineers should make sure non-renew resources are properly and sparingly used in the manufacturing phase to reduce depletion and minimize waste.

Eliminate excess waste
PLM for green engineering enables you to utilize digital thread capabilities to support sustainability initiatives. You can design, visualize, develop, and test products in the digital realm as opposed to doing it in the physical world, avoiding scrap and waste.

Consider material alternatives

When sourcing parts, it's important to consider suppliers that offer sustainable options such as recycled or reused materials.

RESOURCE PERSON

Dr. D. Vincent Herald Wilson,

Professor - VIT

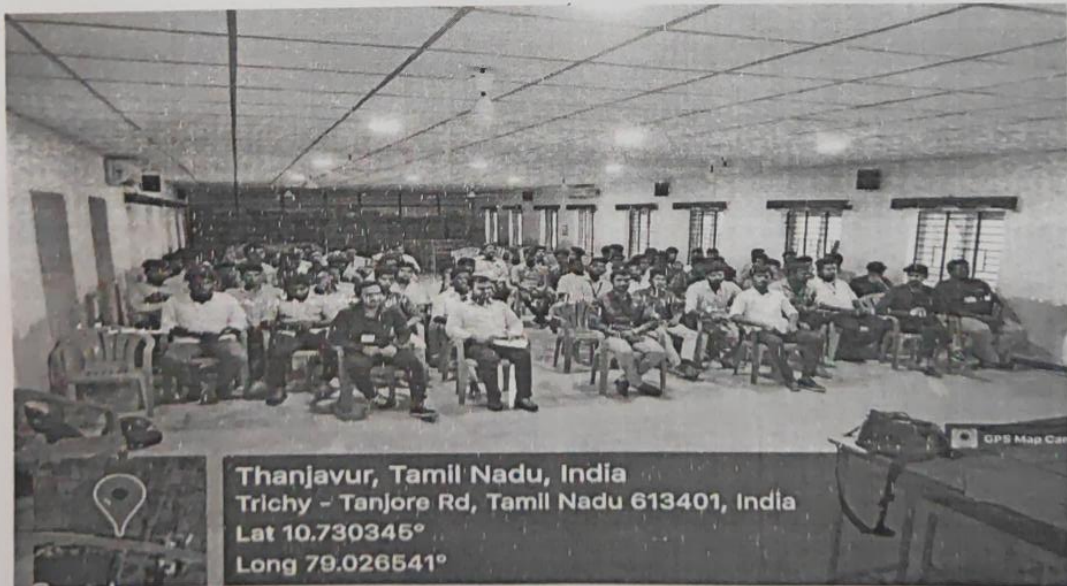
DATE : 15.09.2022
TIMING : 10.00AM to 4.00PM
VENUE : C-Block Seminar
PRIST Deemed to be University
Vallam, Thanjavur-613 403

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School of Engineering and Tech,
Ponnaiyah Ramajayam Institute of
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Role of Engineering for Sustainable Environment

Dr. D. Vincent Herald Wilson explained all the processes that were involved in "Role of Engineering for Sustainable Environment". A number of excellent colleges and universities are building environmental studies into their curricula for both bachelor's and master's programs, including Stanford University, the University of California at Berkeley and Carnegie Mellon University. That number is growing as schools increasingly realize that engineering design parameters (e.g., ambient temperature, sea level, storm intensity, droughts, volcanic activity, earthquakes and flooding) will be different in the years to come. Years of unsustainable practices have made those design assumptions unpredictable. Mining, oil drilling, gas exploration and overconsumption of those resources combined with pollution, such as greenhouse gas emissions, have taken a toll on the Earth's natural resources. Therefore, significant changes in resource availability have resulted, and infrastructure must be redesigned to operate safely in this new environment. Resource availability and environmental operating conditions are evolving. Engineers who understand how those changes will impact engineering projects are in demand now and for the foreseeable future.



Shunup

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DATE :

GPS Map Camera

Thanjavur, Tamil Nadu, India
B Block, Cafe road, Tamil Nadu 613401, India
Lat 10.720049°
Long 79.042595°



VALLAM Thanjavur, Tamil Nadu, India
C block seminar hall
Lat 10.615301°
Long 79.558259°

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Ponnaiyah Ramajayam Institute of
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Deemed to be University
Vallam, Thanjavur-613 403.

* Required

1. Name of the student * [📄]

Enter your answer

2. Department * [📄]

Enter your answer

3. College Name * [📄]

Enter your answer

4. Mail ID * [📄]

Enter your answer

5. Whats app number * [📄]

Enter your answer

6. Student's-Year [📄]

IV

III

II

I

7. What is your overall assessment of the event? (1-Insufficient & 5- Excellent) * [📄]

1 2 3 4 5

8. Workshop Venue was comfortable? * [📄]

Yes

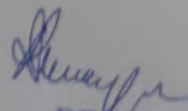
No

9. How was the Presentation? * [📄]

Enter your answer

10. How was the Technical Session? * [📄]

Enter your answer


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11. Knowledge and information gained from participation at this event (1-Insufficient & 5- Excellent)

1 2 3 4 5

12. The workshop content was (1-Insufficient & 5- Excellent)

1 2 3 4 5

13. Future comments or suggestion

Enter your answer

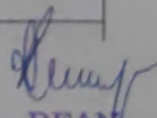
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Sample Feedback Responses from the participants.

The objective of the Role of Engineering for Sustainable Environment was achieved. The overall session discussion benefitted the Students. This Role of Engineering for Sustainable Environment would help the participants to program in an effective way and also it would help them to do their implementation in future.

ID	Name of the student	College Name	What is your overall assessment of the event? (1-Insufficient & 5-Excellent)	Works hop Venue was comfortable?	How was the Event layout?	How was the Technical Session?	Knowledge and information gained from this event (1-Insufficient & 5-Excellent)	The workshop content was (1-Insufficient & 5-Excellent)	Future comments or suggestions
3	Mohammed Inzal M	Prist university	5	Yes	Nice	Good	5	5	Good
2	S Lenin Kumar	PRIST deemed to be university	5	Yes	Very nice	Very super	5	5	Nil
3	Vedha S	PRIST deemed to be university	5	Yes	Good	The technical session was very nice	4	4	The time was insufficient
3	Kashy S	PRIST deemed to be university	5	Yes	Good	Excellent	4	4	Very imporatn speech and enjoy ment the class and good explain the venue
3	P.Dhanakar an	PRIST deemed to be university	5	Yes	Well	Good	5	5	Continue this method
3	DINESH K	PRIST deemed to be university	4	Yes	Inform ative	Nice one	4	4	Informative session
3	P. S. Dhanyaku mar	PRIST deemed to be university	3	Yes	Good	Much better	3	4	Can be conduct other day
4	Ponvarasan S	PRIST deemed to be university	4	Yes	Good	Very good	4	3	Nothing
4	Ashokhar	PRIST deemed to be university	2	Yes	Normal	Normal	2	1	good
4	AJAY A	PRIST deemed to be university	3	Yes	Good	Useful	5	3	Nothing
5	Agmal Hanwant A	PRIST deemed to be university	3	Yes	Nil	Nil	3	3	Nil
5	KLEER YIL YASHAR	PRIST deemed to be university	5	Yes	Excellent	Excellent	5	5	Excellent
3	Mangalam R.R.	PRIST deemed to be university	3	Yes	Good	Good	3	3	Imporant in practice method
5	Prasanna mar R	PRIST deemed to be university	4	Yes	Good	Good	3	3	Good
5	Mangalam	PRIST deemed to be university	5	Yes	Good	Good	5	5	Good


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School of Arts and Science
Department of Physics

CIRCULAR

PRIST/A&S/PHY/22-23/03.13

Date: 18.03.2023

It is hereby informed that the department is organizing a seminar on “**DEVELOPMENT IN ASTROPHYSICS**” on March 24, 2023, in the Seminar Hall. All the students and faculty members are requested to attend without fail.

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SCHOOL OF ARTS AND SCIENCE
Department of Physics
DEVELOPMENT IN ASTROPHYSICS

Agenda

Date: 24.03.2023

Time 11.30 am

11.30 Am Welcome address :

DR. K . VINOTH

Assistant Professor
Department of Physics

11.40 Am Inaugural address :

Dr.L.Chinnappa

Dean, School of Arts and Science
Ponnaiyah Ramajayam Institute of
Science and Technology

12.00 Pm Guest Introduction:

MR. K. SWAMINATHAN

Assistant Professor,
Department of Biochemistry

• **12.15 Pm Invited Talk :**

DR.S.SUBASHCHANDRABOSE,

Professor
Department of Physics

Topic: "DEVELOPMENT IN ASTROPHYSICS"

1.30 Pm Vote of Thanks :

DR. S. JAGADESAN

Assistant Professor,
Department of Physics

Organizer: DR. M. SIVANANTHAM

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School of Arts and Science

Department of Physics

A REPORT ON THE SEMINAR 24.03.2023

Topics: “DEVELOPMENT IN ASTROPHYSICS”

Department of Physics, Ponnaiyah Ramajayam Institute of Science & Technology (PRIST), organized a one-day seminar on “**DEVELOPMENT IN ASTROPHYSICS** ” on March 24, 2023 in Seminar Hall-I. The seminar focused on Professional skills development.

The dignitaries on the Dias were **Dr. L. CHINNAPPA**, Dean, School of Arts and Science, **Dr. S. SUBASHCHANDRABOSE**, Professor, Department of Physics, **Dr. M. SIVANANTHAM**, Associate Professor and Scientist, **Dr. V. VIDHYA**, Department of Physics, **Dr. S. JAGADESAN**, **Dr. N. NISHA BANU**, **Dr. S. SNEGA**, **Dr. K. VINOTH**, Assistant Professor, Ponnaiyah Ramajayam Institute of Science and Technology. The programe started at 11:30 am with the welcome address by **Dr. K . VINOTH**, Department of Physics. **Dr. L. CHINNAPPA**, Dean, School of Arts and Science delivered an Inaugural address about the seminar. **Mr. K. SWAMINATHAN**, PRIST University delivered the Guest Introduction about the seminar.

Dr. S. SUBASHCHANDRABOSE, Professor, gave lecture on “**DEVELOPMENT IN ASTROPHYSICS**”. In the past years, enormous progress has been made in the field of exoplanet transmission spectroscopy. New techniques and instruments like the JWST now enable the determination of the properties of planetary atmospheres, as well as the detection of molecular species. In order to search for life on other planets via the minute signatures of biomarkers, we need to make sure that as many potential sources of systematic bias as possible are accounted for in the transit model. After the seminar he interacted with the students and clarifies their doubts. Finally, **DR. S. JAGADESAN**, Assistant Professor, Department of Physics delivered a vote of thanks.


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Department of Physics

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PRIST/A&S/PHY/22-23/03.13

Date: 18.03.2023

It is hereby informed that the department is organizing a seminar on “FUNPHILIA” on March 28, 2023, in the Seminar Hall. All the students and faculty members are requested to attend without fail.

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SCHOOL OF ARTS AND SCIENCE
Department of Physics

FUNPHILIA

Agenda

Date: 28.03.2023

Time 11.30 am

11.30 Am Welcome address :

DR. S. SUBASHCHANDRABOSE

Professor
Department of Physics

11.40 Am Inaugural address :

Dr.L.Chinnappa

Dean, School of Arts and Science
Ponnaiyah Ramajayam Institute of
Science and Technology

12.00 Pm Events List :

Classical Dance
Solo & Group Signing
Folk Dance
Western Dance
Mime
Drama

4.30 Pm Vote of Thanks :

DR. N. NISHA BANU

Assistant Professor,
Department of Physics

Organizer: DR. M. SIVANANTHAM

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School of Arts and Science

Department of Physics

A REPORT ON THE FUNPHILIA 28.03.2023

Department of Physics, Ponnaiyah Ramajayam Institute of Science & Technology (PRIST), organized a one-day Program on “**Funphilia**” on March 28, 2023 in Seminar Hall.

The dignitaries on the dias were **Dr. L. CHINNAPPA**, Dean, School of Arts and Science, **DR.K.SARITHA**, Professor and Scientist, **DR. C. YOGAMBAL**, **DR. M. SIVANANTHAM**, **DR. S. SUBASHCHANDRABOSE**, Professor, Ponnaiyah Ramajayam Institute of Science and Technology. The programme started at 11:30 am with the **DR. S. SUBASHCHANDRABOSE**, Department of Physics. **Dr. L. CHINNAPPA**, Dean, School of Arts and Science delivered an Inaugural address about the Event.

After 12.00 Pm the event was started Classical Dance, Solo and Group Signing, Western Dance, Folk Dance, Mime, Drama. The students are very enjoying this function. Philia, keeping up with its tradition of bringing together the entire staff of e-Zest along with their families, gave a fantastic platform to all the hidden talent of e-Zestians. The event saw some of the most melodious and pitch perfect singers, sing beautiful renditions flawlessly. Right from classical to rock music, all the singers and guitarists delivered outstanding performances that set the mood of the evening in just the perfect manner. The movers and shakers were not left behind either, as the dancers grooved and displayed grace and unparalleled levels of energy that almost brought the house down. Philia’s fashion show this year was almost like a thorough pack of professional models catwalking on the ramp in their variety of costumes with much élan, grace and a zestful attitude. After the Event the prizes were distributed to the winners. Finally, **DR. N. NISHA BANU**, Assistant Professor, Department of Physics delivered a vote of thanks.

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M. Sima

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Ref: PRIST/DEAN/CIRC/09-05/2022

Date: 10.02.2023

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Sub: Recent Trends in Electric Mobility -reg..

It is hereby informed that Program on **Recent Trends in Electric Mobility** will be conducted on **16.02.2023 (Thursday)**.

We cordially invite all students and teaching staffs to attend their event.

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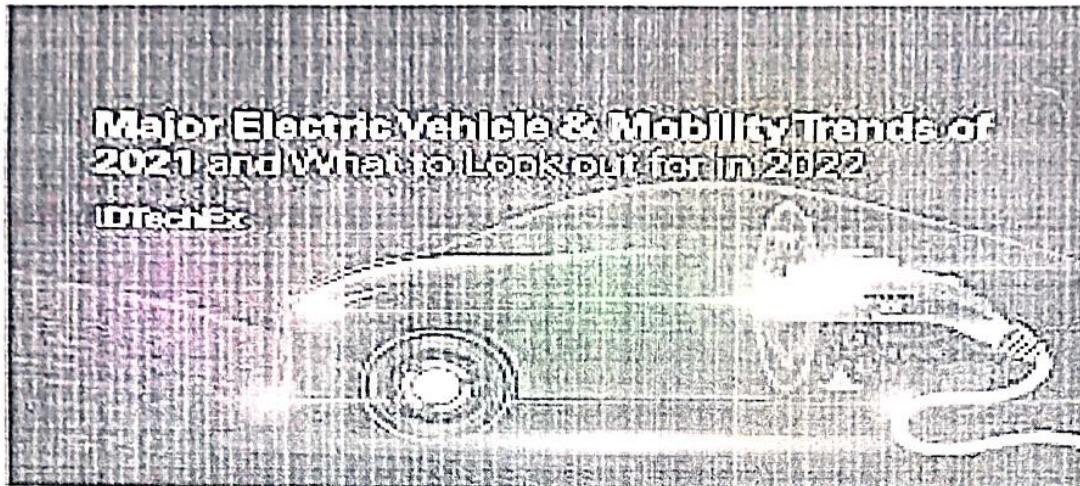
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From artificial intelligence (AI) and the internet of things (IoT) to adaptable design and on-demand manufacturing, these trends are paving the way for mobility service providers and businesses to enhance EV adoption and eco-friendly operations. This overview sheds light on the pivotal electric mobility trends shaping the industry.



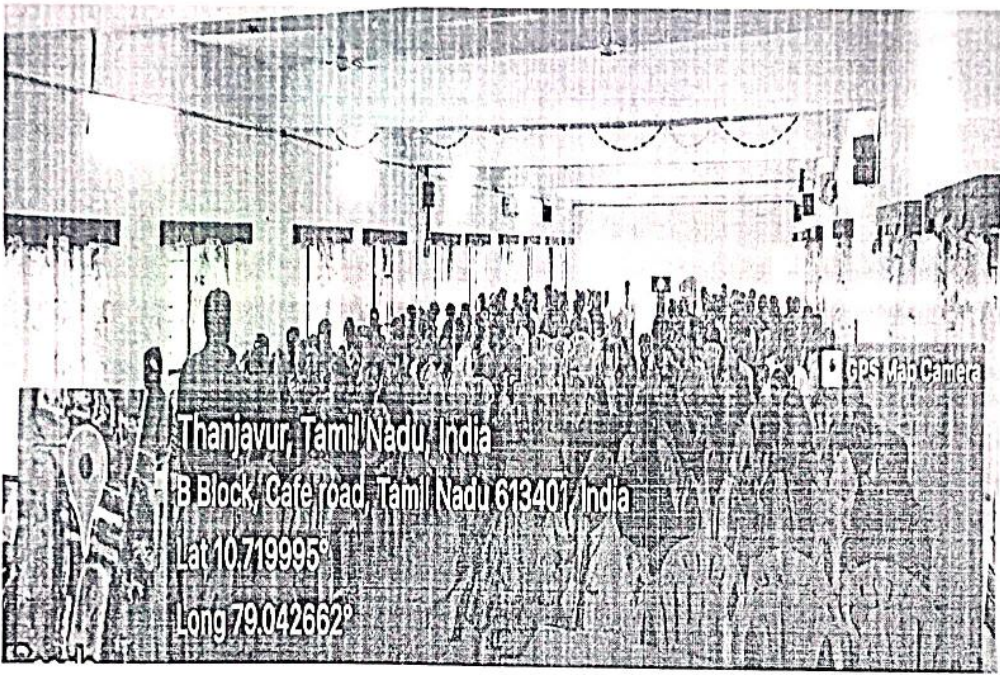
Resource Person: Mrs.V.Mangaleswari, Dept of EEE explained all the processes that were involved Top 8 Electric Mobility Trends

The surge in EV adoption, driven by sustainability goals, necessitates the swift expansion of electric vehicle supply equipment (EVSE), encompassing hardware, software, and charging stations. The fluctuating power demand of EVs can cause disruptions in the electric grids, a challenge met by charging point owners and grid operators through data sharing on cloud platforms.

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EV charging trends guarantee secure power delivery to electric vehicles. Innovations from startups, including electric road systems (ERS) for on-the-go power supply and ultra-fast DC charging, are emerging. Additionally, the advent of solar-powered EVs with photovoltaic (PV) cells and wireless charging options enhances the ease of using electric vehicles.



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Date: 30.6.2022

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Sub: Getting Started with Robotics -reg.,

It is hereby informed that Program on Webinar on Computer Vision will be conducted on
2/7/2022

We cordially invite all students and teaching staffs to attend their event.

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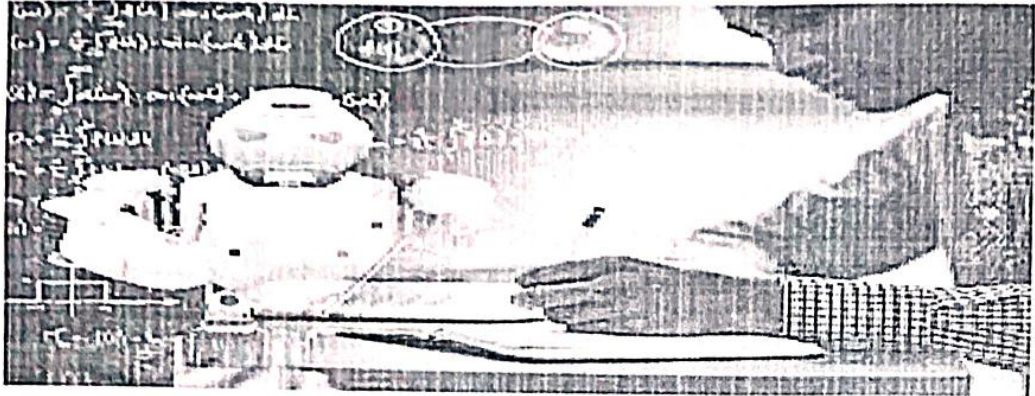
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Robotics

Robotics is very overwhelming. There are so many topics you need to know, and so many "unknown unknowns."



1. Pick out a Robot or Project to Build

The first tip is to find a cool project and start building it. I find that I learn the most when I just dive right in!

You can get any number of robotics kits (we have one, too), but if you want more of a "hacker" experience, there are a bunch of cool options on Amazon.

[amazon box="B07FLVZ2DN,B07KRVBGQM,B07Z4HJF35,B00UMOSQCI" template="list"]

You will need some basic hand tools, but other than that, the best way to build something is to just build it.



Kotil
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If you're more of a "book" person, here are a few options:

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Depending on your level and interests, some of these books might be too easy or too advanced.

I wanted to give you a mix of beginner and university-level options so that you have the best starting point for your skillset.

6. Join a Robotics Group

If you're looking to get into robotics more socially, then joining a robotics group is a great option.

A lot of robotics people I know are very introverted by nature. But that doesn't mean you shouldn't join a robotics team or group.

Oftentimes professional organizations, local groups, and communities will host robotics and tech events. They might be regular meetups, clubs, or competitive robotics teams.

There are even robotics groups on Facebook that you can join. You can join the Learn Robotics Facebook group, here.

The best way to find robotics groups is to search on Meetup, Eventbrite, or Facebook within your city.

If there isn't a group already there, you can always start one!

7. Just Start a Robotics Hobby, Already!

It doesn't matter which of these steps you choose to start your robotics hobby. All that matters is that you start!

Take a look at the list above and see if any of these tips *speaks* to you.

- Have a project you've been putting off? Buy the parts for it.
- Not sure where to start? If you're completely new, sign up for Arduino for Beginners.
- If you want to work with me, you can join my Build Arduino Robots program.
- Is there a robotics book that's collecting dust on your shelf? Go get it and read 10 pages!
- Have a friend who's crazy about robotics? Give them a call!
-
-



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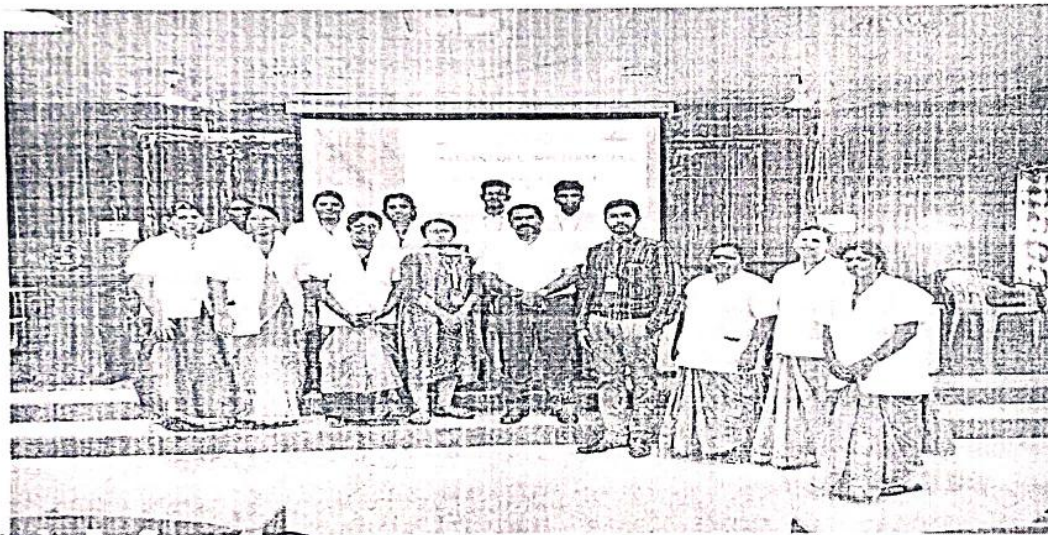
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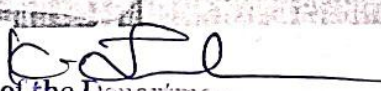
There are so many ways you can weave robotics into your life. All you have to do is just take the first steps and get started!

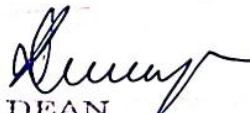
What's holding you back? Are you ready to begin your robotics hobby?

Which of these tips are you going to use to break into the robotics field? Let me know in the comments below!

And if you enjoyed this article, be sure to share it on your favorite Social Media platform.




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2. Take an Online Robotics Course

If you're not the kind of person who wants to "get your hands dirty" and would rather have a more logical approach to getting started, then you can take online robotics courses.

We have two online courses that are designed for beginners with little to no experience in robotics.

The first program, Learn Code & Circuits, is designed to teach you the fundamentals of coding and circuits. You'll walk away with a functional device that you coded from start to finish!

The second program, Build Arduino Robots, will show you how to interface motors and sensors to design an autonomous mobile robot. Again, our courses are designed to walk you through the process, so you'll be building, wiring, and coding everything from scratch.

Our courses use the Learn Robotics Alpha Kit, which includes all of the components you need to get started. It takes the guesswork out of trying to figure out which parts are compatible and where to buy them.

You can pick up a kit, join the courses, and start gaining robotics skills in a matter of a few days.

Plus, when you have questions, you can contact me directly (via our live chat system), and I'm here to help.

There's nothing better than being able to interact with an instructor while you're learning. And, robotics is a very hair-pulling subject. So, I try to minimize hair loss (lol) while you're taking our courses!

If you've already built a bunch of robots before, (*I'm not sure why you're reading this article*), then you might be interested in taking an intermediate or advanced online course.

We have a Special Topics course and CAD modeling course (coming soon) that you can also check out.


3. Learn to Code


Thirdly, it's very helpful if you know some form of programming before starting with robotics.

If you know you want to be writing sophisticated algorithms for mechatronic systems, then you'll want to learn to code first.

How to Learn Coding Online

Learn, practice, and apply job-ready skills using Codecademy. This is a great option if you're looking for interactive coding lessons and daily practice.


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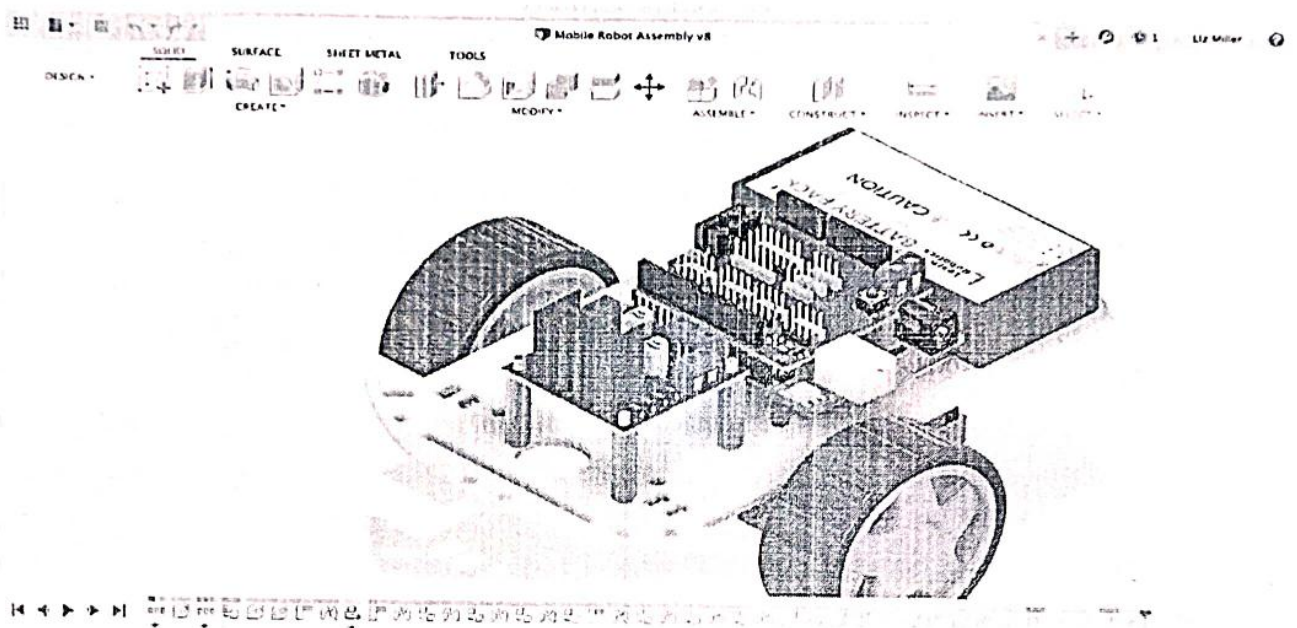
On the other hand, if you want to work with Industrial Robots and PLCs, I recommend learning the basics of Ladder Logic.

A lot of Industrial Robot manufacturers (FANUC, KUKA, Universal Robots, etc.) also have online training programs you can take. Universal Robots has a very comprehensive, free training, that you can take online.

4. Create a Prototype

Additionally, you can create your prototypes.


Pick up a 3D printer and learn how to make parts. Once you have experience manufacturing parts, you can learn to design your parts in CAD.




Combine 3D printing with some basic robotics skills, and the possibilities are endless.

5. Read Robotics Articles

Maybe you're looking for a more passive way to get into the robotics field. If you're interested in learning about robots without building anything, then reading articles is a good way to ease into the field.


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Date: 11.20.2022

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Sub: Webinar on Computer Vision -reg.,

It is hereby informed that Program on **Webinar on Computer Vision** will be conducted on **11/22/2022**.

We cordially invite all students and teaching staffs to attend their event.

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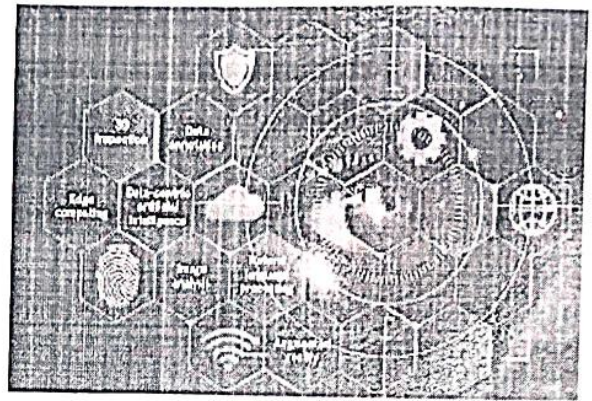
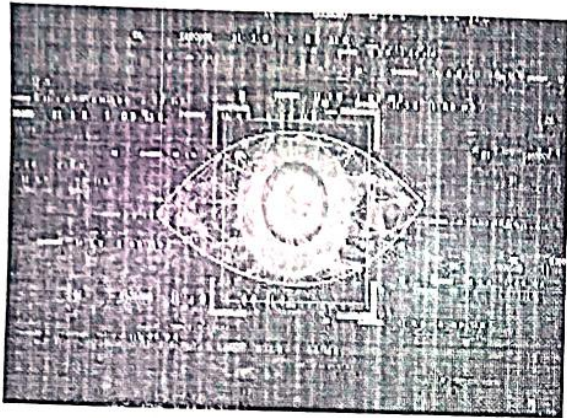
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Webinar on Computer Vision

Computer vision: Tasks include methods for acquiring, processing, analyzing and understanding digital images, and extraction of high-dimensional data from the real world in order to produce numerical or symbolic information, e.g. in the forms of decisions. Understanding in this context means the transformation of visual images (the input to the retina in the human analog) into descriptions of the world that make sense to thought processes and can elicit appropriate action. This image understanding can be seen as the disentangling of symbolic information from image data using models constructed with the aid of geometry, physics, statistics, and learning theory.



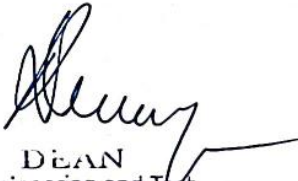
Computer vision :

Computer vision is defined as a solution that leverages artificial intelligence (AI) to allow computers to obtain meaningful data from visual inputs. The insights gained from computer vision are then used to take automated actions. This article details the meaning, examples, and applications of computer vision.

What Is Computer Vision?

Computer vision leverages artificial intelligence (AI) to allow computers to obtain meaningful data from visual inputs such as photos and videos. AI gives computers the ability to 'think', computer vision allows them to 'see'.


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To see images just like a human would, neural networks execute convolutions and examine the accuracy of the output in numerous iterations. Just like humans would discern an object far away, a convolutional neural network begins by identifying rudimentary shapes and hard edges. Once this is done, the model patches the gaps in its data and executes iterations of its output. This goes on until the output accurately 'predicts' what is going to happen.

While a convolutional neural network understands single images, a recurrent neural network processes video inputs to enable computers to 'learn' how a series of pictures relate to each other.

FIVE - Examples of Computer Vision

Listed below are five key examples of computer vision that exhibit the potential of this AI-powered solution to revolutionize entire industries.

1. Google Translate

In 2015, technology leader Google rolled out its instant translation service that leverages computer vision through smartphone cameras. Neural Machine Translation, a key system that drives instantaneous and accurate computer vision-based translation, was incorporated into Google Translate web results in 2016.

When the app is opened on internet-enabled devices with cameras, the cameras detect any text in the real world. The app then automatically detects the text and translates it into the language of the user's choice. For instance, a person can point their camera at a billboard or poster that has text in another language and read what it says in the language of their choice on their smartphone screen.

Apart from Translate, Google also uses computer vision in its Lens service. Both services are capable of instantly translating over 100 languages. Google's translation services are already benefiting users across Asia, Africa, and Europe, with numerous languages concentrated in relatively small geographic areas.


Over the past few years, more than half of Google's translation toolkit languages have been made available for offline use. As such, no network connection is required for these neural net-powered translations.


2. Facebook 3D Photo

Not to be left behind, technology giant Meta (earlier known as Facebook) is also dabbling in computer

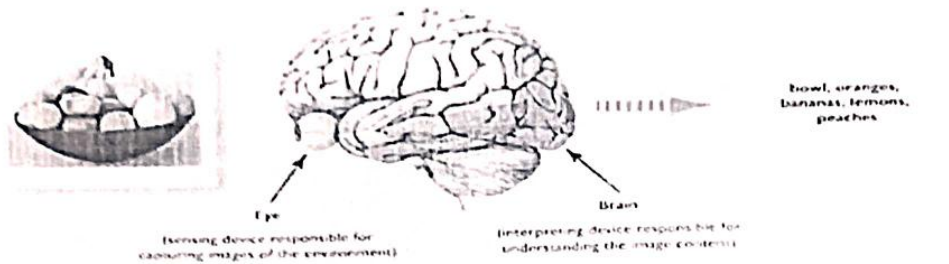
Launched in 2018, Facebook 3D Photo originally required a smartphone with dual cameras to generate 3D images and create a depth map. While this originally limited the popularity of this feature, the widespread availability of economically priced dual-camera phones has since increased the use of this computer vision-powered feature.

. Through this process, a realistic-looking 3D effect is applied to the picture.

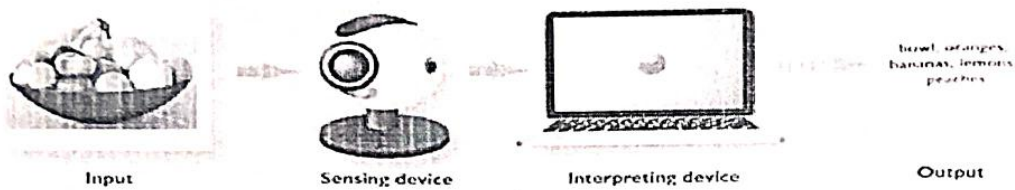

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Human Vision System



Computer Vision System



Human Vision vs. Computer Vision

As humans, we generally spend our lives observing our surroundings using optic nerves, retinas, and the visual cortex. We gain context to differentiate between objects, gauge their distance from us and other objects, calculate their movement speed, and spot mistakes. Similarly, computer vision enables AI-powered machines to train themselves to carry out these very processes. These machines use a combination of cameras, algorithms, and data to do so.

However, unlike humans, computers do not get tired. You can train machines powered by computer vision to analyze thousands of production assets or products in minutes. This allows production plants to automate the detection of defects indiscernible to the human eye.

Computer vision needs a large database to be truly effective. This is because these solutions analyze information repeatedly until they gain every possible insight required for their assigned task. For instance, a computer trained to recognize healthy crops would need to 'see' thousands of visual reference inputs of differentiate them from unhealthy crops, gauge farmland quality, detect pests and other animals among the crops, and so on.

Machine learning (ML) leverages algorithm-based models to enable computers to learn context through visual data analysis. Once sufficient data is provided to the model, it will be able to 'see the big picture' and differentiate between visual inputs. Instead of being programmed to recognize and differentiate between

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3. YOLO

YOLO, which stands for You Only Look Once, is a pre-trained object detection model that leverages transfer learning. You can use it for numerous applications, including enforcing social distancing guidelines.

As a computer vision solution, the YOLO algorithm can detect and recognize objects in a visual input in real-time. This is achieved using convolutional neural networks that can predict different bounding boxes and class probabilities simultaneously.

As its name implies, YOLO can detect objects by passing an image through a neural network only once. The algorithm completes the prediction for an entire image within one algorithm run. It is also capable of 'learning' new things quickly and effectively, storing data on object representations and leveraging this information for object detection.

Enforcing social distancing measures during the height of the COVID-19 pandemic was critical yet extremely difficult for jurisdictions with limited resources and large populations. To address this issue, authorities in some parts of the world adopted computer vision solutions such as YOLO to develop social distancing tools.

YOLO can track people within a specific geographical area and judge whether social distancing norms are being followed. It applies object detection and tracking principles in real-time to detect social distancing violations and alert the relevant authorities.

4. Faceapp

Faceapp is a popular image manipulation application that modifies visual inputs of human faces to change gender, age, and other features. This is achieved through deep convolutional generative adversarial

recognize key facial features such as cheekbones, eyelids, nose bridge, and jawline. Once these features are outlined on the human face, the app can modify them to transform the image.

Faceapp works by collecting sample data from the smartphones of multiple users and feeding it to the deep neural networks. This allows the system to 'learn' every small detail of the appearance of the human face. These learnings are then used to bolster the app's predictive ability and enable it to simulate wrinkles, modify hairlines, and make other realistic changes to images of the human face.

5. SentioScope

SentioScope is a fitness and sports tracking system developed by Sentio. It primarily operates as a player tracking solution for soccer, processing real-time visual inputs from live games. Recorded data is uploaded



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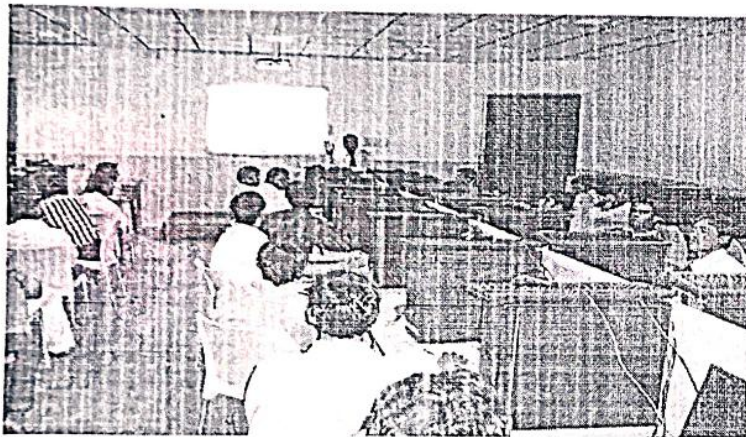
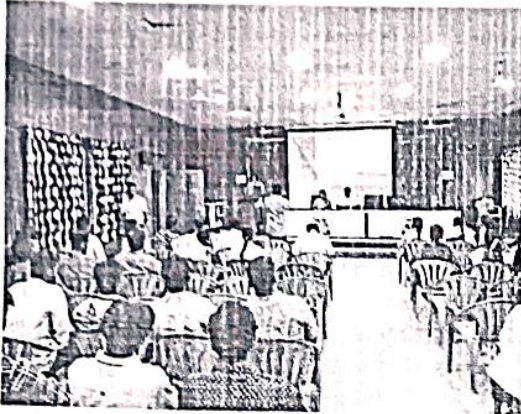
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computer vision-powered solution creates a conceptual model of the soccer field, representing the game in a

two-dimensional world. This 2D model is partitioned into a grid of dense spatial cells. Each cell represents a unique ground point on the field, shown as a fixed image patch in the video.

SentioScope is powered by machine learning and trained with more than 100,000 player samples. This enables it to detect 'player' cells in the footage of soccer games. The probabilistic algorithm can function in numerous types of challenging visibility conditions.

Sentio is one of the many companies working to infuse computer vision with sports training regimens. These solutions usually analyze live feeds from high-resolution cameras to track moving balls, detect player positions, and record other useful information that one can use to enhance player and team performance.



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