

Capacity Development and skills Enhancement Activity

AWARENESS OF TRENDS IN TECHNOLOGY

ROBOTICS

Website : www.rgcetpdy.ac.in, www.rgcet.edu.in



RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE and Affiliated to Pondicherry University)

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(Sponsored by Sri Balaji Educational and Charitable Public Trust)

Pondy - Cuddalore Main Road, Kirumampakkam, Puducherry - 607 403.

10.04.2023

From

Mrs. D. Maladhy

Department of Information Technology

Rajiv Gandhi College of Engineering and Technology

Kirumampakkam, Puducherry - 607 403.

To

The Principal

Rajiv Gandhi College of Engineering and Technology

Kirumampakkam, Puducherry - 607 403.

Through

The Head Of The Department,

Department Of IT

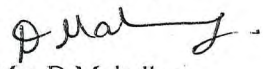
Respected Sir,

Subject: Request for permission to conduct Seminar on Robotics regd.,

Our department has planned to conduct a seminar on the topic "Robotics" on 18.04.2023 for II, III, and IV-year students during the 2022-2023 Even Semester. I kindly request your permission to hold this seminar on the specified date. Thank you for your consideration.

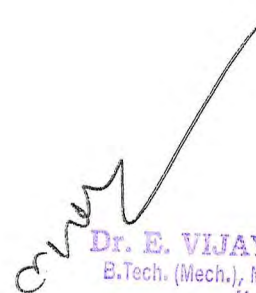
Thanking you,

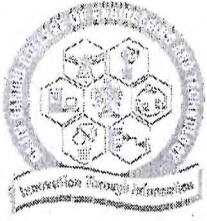
Yours sincerely,


Mrs.D.Maladhy
Coordinator

forwarded to the
Principal
R. V. R.

Head of the Department
Department of Information Technology
Rajiv Gandhi College of Engineering and Technology
Pondy-Cuddalore Main Road, Kirumampakkam, Puducherry-607 403.


Dr. E. VIJAYKRISHNA RAPA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I.M.C.I.I.,
PRINCIPAL
Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
Kirumampakkam, Puducherry - 607 402.



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DEPARTMENT OF INFORMATION TECHNOLOGY

No: RGCET/IT/Circular/2022-23/SEM O1

13.04.2023

CIRCULAR

I am excited to share that our department will be hosting a seminar on "Robotics" on 18.04.2023, as part of the Awareness of Trends in Technology initiative. This seminar is intended for II, III, and IV-year students for the 2022-23 even semester.

I encourage all students to take part in this seminar to acquire valuable insights into Robotics and its applications. Your participation will be instrumental in deepening your knowledge of this advancing field.


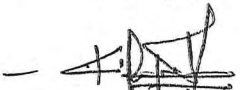
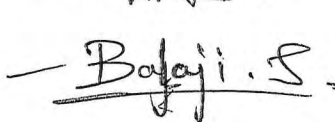

Head of the Department


Head of the Department
Department of Information Technology
Rajiv Gandhi College of Engineering and Technology
Pondy-Cuddalore Main Road, Kirumampakkam, Puducherry-607 403.

Copy to:

1. Circulate to all IT students
2. The file

To circulate

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III - 
IV - 


Dr. E. VIJAYAKRISHNA RAO
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I M.C.I.T.
PRINCIPAL
Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
Kirumampakkam, Puducherry - 607 402.



RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

ORGANIZES

AWARNESS OF TRENDS IN TECHNOLOGY ON ROBOTICS

DATE 18-04-2023

TIME 11:00 AM TO 1.00 PM

RESOURCE PERSON

MR. KALIVELA KARL AMARTHYA, CAPGEMINI

DR.E.VIJAYAKRISHNA RAPAKA
PRINCIPAL
RG CET

DR.K.AYYAPPAN
VICE PRINCIPAL
RG CET

MR.R.VINOTH KUMAR
HOD/IT
RG CET

CO-ORDINATOR
MRS.D.MALADHY AP/IT

Dr. E. VIJAYAKRISHNA RAPAKA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I.M.C.I.I.-
PRINCIPAL

Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
Kirumampakkam, Puducherry - 607 403.

Website : www.rgcpdy.ac.in, www.rgcet.edu.in



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DEPARTMENT OF INFORMATION TECHNOLOGY

ROBOTICS SYLLABUS

Introduction to Robotics Technology

- Overview of robotics history and evolution
- Importance of robotics in the current technological landscape

Current Trends and Future Directions

- Exploration of recent developments in robotics technology
- Predictions for future innovations and applications

Practical Applications Across Industries

- Case studies and examples of robotics in manufacturing, healthcare, agriculture, and other sectors
- Analysis of successful implementations and challenges faced

Cutting-edge Research Topics

- AI and machine learning advancements in robotics
- Human-robot collaboration and interface design


Ethical and Social Implications

- Ethical frameworks for robotic development and deployment
- Societal impacts and considerations for policy-making

Real-world Demonstrations and Hands-on Activities

- Live demonstrations of robotic systems
- Q&A sessions with experts in robotics technology


Co-Ordinator


Dr. E. VIJAYARISHNA RAPAKA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I M.C.I.I.,
PRINCIPAL
Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
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Department of Information Technology
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SEMINAR SCHEDULE

S.No.	Time	Session Title	Topics to be covered
1	11:00 AM - 11:15 AM	Introduction to Robotics Technology	<ul style="list-style-type: none">- Overview of the seminar agenda and objectives- Brief introduction to the history and evolution of robotics
2	11:15 AM - 11:45 AM	Importance of Robotics in the Current Technological Landscape	<ul style="list-style-type: none">- Discussion on the role of robotics in various industries today- Key technological advancements driving the field forward
3	11:45 AM - 12:15 PM	Current Trends and Future Directions in Robotics	<ul style="list-style-type: none">- Exploration of recent developments such as AI integration and automation- Predictions for future innovations and potential applications
4	12:15 PM - 12:45 PM	Practical Applications Across Industries	<ul style="list-style-type: none">- Case studies and examples from manufacturing, healthcare, agriculture, etc.- Analysis of successful implementations and challenges faced in real-world scenarios
5	12:45 PM - 1:00 PM	Q&A and Wrap-Up	<ul style="list-style-type: none">- Open floor for Q&A with participants- Recap of key points discussed throughout the seminar- Discussions on networking opportunities


Co-Ordinator


E. VIJAYAKRISHNA RAPAKA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I M.C.I.I.,
PRINCIPAL
Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
Kirumampakkam, Puducherry - 607 402.


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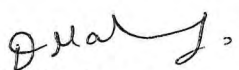
SEMINAR REPORT


SEMINAR TOPIC:ROBOTICS


On April 18, 2023, our department successfully conducted a seminar on "Robotics" as part of the Awareness of Trends in Technology series. This seminar was organized for II, III, and IV-year students and aimed to provide a comprehensive understanding of robotics, its significance, and its applications.

Session Overview:

1. Introduction to Robotics Technology The seminar began with an introduction to robotics technology, covering the seminar's agenda and objectives.
2. Importance of Robotics in the Current Technological Landscape This session highlighted the crucial role of robotics in various industries. Discussions focused on how robotics is transforming sectors such as manufacturing, healthcare, and agriculture. Key technological advancements driving the field were also explored.
3. Current Trends and Future Directions in Robotics Participants explored recent developments in robotics, including AI integration and automation
4. Practical Applications Across Industries The seminar showcased practical applications of robotics through case studies from different industries. Examples included successful implementations and challenges faced in real-world scenarios, illustrating the diverse applications of robotics.
5. Q&A and Wrap-Up The final session featured an open Q&A with the speakers, allowing participants to ask questions and engage in discussions. The session concluded with a recap of key points discussed throughout the seminar and an invitation for further discussions and networking.


Co-Ordinator


D. VIJAYAKRISHNA RAPAKA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.J.M.C.I.I.,
PRINCIPAL
Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
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PHOTOGRAPHS FOR SEMINAR IN ROBOTICS



swely
Dr. E. VIJAYAKRISHNA RAPAKA
B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IT - Robotics)
M.I.S.T.E., F.I.I.P.E., M.C.S.I, M.C.I.I.,
PRINCIPAL
Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
Kirumampakkam, Puducherry - 607 403.

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LIST OF ENROLLED STUDENTS

Name of the Program

: Robotics

Date of the Program

: 18.04.2023

S.no	Reg.no	Name of the Student	Year
1	21TD0001	AAMEER.J	II
2	21TD0008	ARULKUMAR U	II
3	21TD0043	MITHRA IMPENS	II
4	21TD0076	SHANMUGAPRIYAN	II
5	21TH0001	AKASH A	II
6	21TH0002	ANANDAMOHAN S	II
7	21TH0003	BALAMURUGANANDHAM A	II
8	21TH0004	BHARATHKUMAR S	II
9	21TH0005	DHANUSH V	II
10	21TH0007	DIVINYA E N	II
11	21TH0008	FAIYAZ AHAMED A	II
12	21TH0009	GUNABALA D	II
13	21TH0010	HARITHA S	II
14	21TH0011	HEMA MALATHI R	II
15	21TH0012	JEEVITHA D	II
16	21TH0013	JEEVITHA R S	II

Dr. E. VIJAYAKRISHNA RAPAKA

B.Tech. (Mech.), M.Tech. (Energy), Ph.D. (IIT Madras)

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17	21TH0014	KEERTHANA PRIYA M	II
18	21TH0016	LOHITH KUMAR A	II
19	21TH0017	MADHUMITHA K	II
20	21TH0018	MANIMOZHIYAN N	II
21	21TH0019	MOGANA PRAVIN S	II
22	21TH0020	MOHAMED RIZWAN M	II
23	21TH0021	MOHAMMED SHIFAN M B	II
24	21TH0022	MOHANRAJ K	II
25	21TH0023	MUSHRAF BASHA S	II
26	21TH0024	NANDAKUMAR J	II
27	21TH0025	PALANIVEL E	II
28	21TH0026	PON EZHILAN D	II
29	21TH0027	PRADEEP AROKIARAJ X	II
30	21TH0028	RHODA PHILIPS	II
31	21TH0030	SHANMUGAVARUNI S	II
32	21TH0031	SHUSHMITA P	II
33	21TH0033	SIRIJALAKSHMI R	II
34	21TH0034	SOORITHA M	II
35	21TH0035	SRIGOVINDHANARASIMMAN R	II

Dr. E. VIJAYAKRISHNA RAPAKA

B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)

M.I.S.T.E., F.I.I.P.E., M.C.S.I.M.C.I.I.,

PRINCIPAL

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37	21TH0037	SUBHLASHMY V	II
38	21TH0038	SURENDAR R	II
39	21TH0039	THARANIDHAREN E	II
40	21TH0040	V JAY VISHAAKH	II
41	21TH0041	VARSHA S S	II
42	21TH0043	VIYASAVARTHAN C	II
43	21TH0044	WASIM AFSAL S M	II
44	21THL001	ATHITHYA A	II
45	21THL002	KARTHIKEYAN A	II
46	21THL003	MOHAN K	II
47	21THL004	RAJAGOPAL A	II
48	21THL004	RAMANATHAN R V	II
49	20TD0135	KARTHIKA.J	III
50	20TD0158	RAJESH.G	III
51	20TD0161	SABITHA B	III
52	20TH0051	ABDUL RAHAMAN M	III
53	20TH0052	ANBUKUMARAN. V	III
54	20TH0053	ARUNACHALAM R	III

Dr. E. VIJAYAKRISHNA RAPAKA

B.Tech. (Mech.), M.Tech.(Energy), Ph.D: (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.I.M.C.I.I.,

PRINCIPAL

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56	20TH0055	BUVANESWARAN.P	III
57	20TH0056	DEEPAN RAJ.S	III
58	20TH0057	DEEPIKA.G	III
59	20TH0059	GEETHA .R	III
60	20TH0060	GUNALAN E	III
61	20TH0061	HARIHARAN K	III
62	20TH0062	HEMACHANDRAN	III
63	20TH0064	JENIFER.C	III
64	20TH0065	KARTHIKEYAN S	III
65	20TH0066	KEERTHANA K	III
66	20TH0067	MOHAMED AMEEN.F	III
67	20TH0068	MOHANA PRIYA M	III
68	20TH0069	NAVIYAA R	III
69	20TH0070	PAVITHRA. N	III
70	20TH0071	PRAVINRAJ R	III
71	20TH0072	RANJITH K	III
72	20TH0073	SABARINATHAN.V	III
73	20TH0074	SANJEEV KUMAR.S	III

Dr. E. VIJAYAKRISHNA RAPAKA

B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)

M.I.S.T.E., F.I.I.P.E., M.C.S.I M.C.I.I.,

PRINCIPAL

Rajiv Gandhi College of Engineering & Technology

Pondy - Cuddalore Main Road,

Kirumampakkam, Puducherry - 607 402.

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76	20TH0077	SIVASANKARI M	III
77	20TH0078	SNEHA.S	III
78	20TH0079	SUBASRI. N	III
79	19TE0203	BALAJI.S	IV
80	19TH0001	MOHAMED HALITH A	IV
81	19TH0251	ADHIMOORTHY S	IV
82	19TH0252	ANUSHAHARANI V	IV
83	19TH0253	BHUVANESHWAR K	IV
84	19TH0254	CHANDIRALEHA V	IV
85	19TH0255	CHITRA KALA SHARMA P	IV
86	19TH0256	DHANALAKSHMI P	IV
87	19TH0257	DHANASEENUVASAN D	IV
88	19TH0258	DHANUSRI A	IV
89	19TH0259	DURGA DEVI D	IV
90	19TH0260	HARI PRASAD S	IV
91	19TH0261	HASSEN KHAN Z	IV
92	19TH0262	HEMA P	IV

Dr. E. VIJAYAKRISHNA RAPAKA

B.Tech. (Mech.), M.Tech.(Energy), Ph.D. (IIT Madras)
M.I.S.T.E., F.I.I.P.E., M.C.S.J M.C.I.J.,

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94	19TH0264	ILAVAZHUTHI T	IV
95	19TH0265	JAYAPRATHAB S	IV
96	19TH0266	JAYASHREE S	IV
97	19TH0267	KARTHIKEYAN M	IV
98	19TH0268	KARTHIKEYAN P	IV
99	19TH0269	KRISHNA KUMAR S	IV
100	19TH0270	MANIKANDAN V	IV
101	19TH0271	NITHIYALAKSHMY R	IV
102	19TH0272	PAVITHRA R	IV
103	19TH0273	PRITHIGA T	IV
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105	19TH0275	RAVINDIRAN M	IV
106	19TH0276	RIYASEN V	IV
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108	19TH0278	SARTHIKA M	IV
109	19TH0279	SHIVARANJANI A	IV
110	19TH0280	SIDDHANANDAM M	IV
111	19TH0281	SORNA C	IV

Dr. E. VIJAYAKRISHNA RAPAKA
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M.I.S.T.E., F.I.I.P.E., M.C.S.I M.C.I.I.,
PRINCIPAL

Rajiv Gandhi College of Engineering & Technology
Pondy - Cuddalore Main Road,
Kirumampakkam, Puducherry - 607 402.

Website : www.rgcepdya.ac.in, www.rgcef.edu.in



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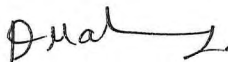
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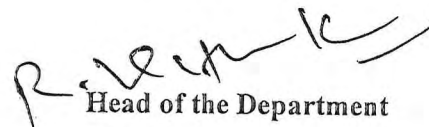
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113	19TH0283	SUNDARALINGAM S	IV
114	19TH0284	SUNENDHAR B	IV
115	19TH0286	SVEDHA T	IV
116	19TH0287	THAMIZHARASAN K	IV
117	19TH0288	THIRUVARASAN T	IV
118	19TH0289	VAISHNAVI C	IV
119	19TH0290	VARADHA RAJAN S	IV
120	19TH0291	VASAN S	IV
121	19TH0292	VIGNESHKUMAR T	IV
122	19TH0293	VISHWA V	IV
123	19TH0294	VISHWA PRIYA AM	IV


Co-Ordinator


Head of the Department


Dr. E. VIJAYAKRISHNA RAPAKA
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M.I.S.T.E., F.I.I.P.E., M.C.S.I, M.C.I.I.,
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Department of Information Technology
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