



# RajaRajeswari College of Engineering

(An Autonomous Institute, Affiliated Visvesvaraya Technological University, Belagavi ,  
Approved by AICTE, UGC & GoK, Accredited by ISO 9001-2015 Certified Institution)  
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## Department of Robotics and Automation

### Report on “1<sup>st</sup> National level Technical Symposium on Kritaayu 2024”

NAME OF THE DEPARTMENT: Department of Robotics and Automation

1. Type Event : **1<sup>st</sup> National level Technical Symposium on KRITAAYU 2024**
2. Venue : Arya Bhatta Seminar Hall.
3. Date & Time : Friday, 5<sup>th</sup> July 2024 & 9:00am to 4:30pm
4. Chief Guest : Dr. Prabhakar A, MS. USA
5. Staff Co Ordinators : Dr. M. Karthikeyan,  
Professor and Head  
Department of Robotics and Automation Engg.  
RajaRajeswari College of Engineering  
  
Dr. Radhakrishna R K  
Associate. Professor  
Department of Robotics and Automation Engg.  
RajaRajeswari College of Engineering  
  
Dr. Thanujkumar M  
Associate. Professor  
Department of Robotics and Automation Engg  
RajaRajeswari College of Engineering
6. Students attended : 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year students of R&A  
Department
7. Outcome of the programme:  
Students gained knowledge about the following:
  1. How to work in a team to organise such a event.
  2. Department Unity
  3. Event management skills.

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## Department of Robotics and Automation

**RAJARAJESWARI COLLEGE OF ENGINEERING**  
An Autonomous Institution approved by UGC under VTU & Approved by AICTE

All are Cordially Invited to attend the  
**1<sup>st</sup> Technical Symposium**  
**KRITAAYU**  
Chief Guest  
**Prof. Prabhakar A**  
Master of Science  
United State of America

Chief Patron  
**Dr. A.C. Shanmugam**  
B.A. LL.B., FIVISA, FRCPS (Glasgow, UK)  
Founder Chancellor  
Dr. M.G.R. E & RL Channel & RRG, Bengaluru.

Patron  
**Sri. A.C.S Arun Kumar**  
A.Nee (MBA), UNISTE, MBE, (UK), IAPGL,  
MBAE, ACCI, AIEEE, CEng (UK)  
President  
Dr. M.G.R. E & RL Channel & RRG, Bengaluru.

Organized by  
**Dept. of Robotics & Automation and Mechanical Engineering**

Date: 05<sup>th</sup> July 2024 Time: 10:00AM Venue: Aryabhata Seminar Hall

Dr.S.Vijayanand, M.Tech. Ph.D. Executive Director, RRG  
Sri.C.N.Seetharaman, IAS(Retd.) Chief Executive Officer, RRG  
Dr.S.Jeyabalan, M.B.A. Ph.D. Special Officer, RRG

Dr. Kari Siddappa Advisor, RRCE  
Dr.A.R.Mariappan Rector, RRCE  
Dr.R.Balakrishna Principal  
Dr.J.Amutharaj Vice Principal  
Dr.Usha S Devaraj & D

Fig. 1. KRITAAYU program banner and invitation



Fig 2. Lighting up the lamp by the Chief Guest Dr. Prabhakar A, Principal Dr. Balakrishna R, Vice Principal Dr. Amuthraj, HoD RA Dr. Karthikeyan M, HoD AIML Dr. Rajesh, Program Convener Dr. Radhakrishna R K & Co-convener Dr Thanujkumar M and with all the student's coordinators.

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**Fig. 3. Welcome speech by the HOD- RA Dr. Karthikeyan M**



**Fig. 4. Presidential address by the Principal Dr. Balakrishna R**

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**Fig. 5. Address by the Vice Principal Dr. Amuthraj.J**



**Fig. 6. Address by the HoD of AIML Department Dr. Rajesh K S**

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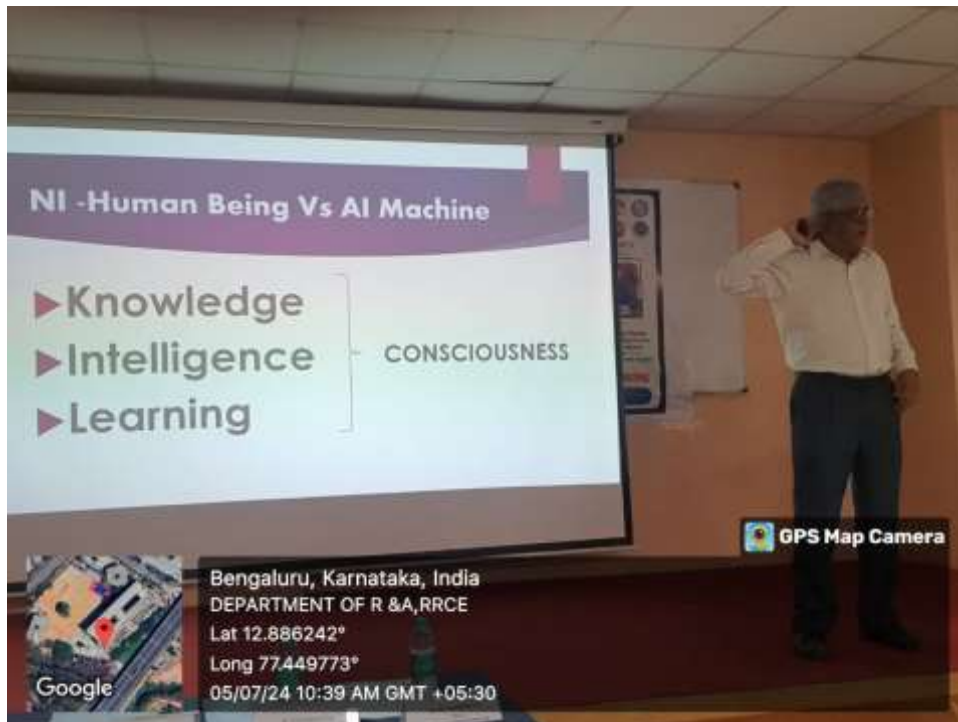
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**Fig 7. Honoring the Chief Guest Dr. Prabhakar A.**



**Fig 8 Chief Guest Dr. Prabhakar A addressing to the students and participants**

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## Department of Robotics and Automation



**Fig 9 Participants from Christ University explain their project to Chief Guest Dr. Prabhakar A**



**Fig 10 Students and participants with their projects**

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## Department of Robotics and Automation

### Programme Schedule

Date:05-07-2024

1. Type Event : **1<sup>st</sup> Technical Symposium- KRITAAAYU 2024**

2. Chief Guest : **Prof. Prabhakar A**  
Master of Science, USA  
**Venue: Arybhata Seminar Hall**

Time	Agenda	Role
09.30 a.m. – 10.00 a.m.	The arrival of the Chief Guest, Principal, Dean, HOD's Faculty members, and Students	-
10.00 a.m. – 10.10 a.m.	Prayer Song	Ms. Spoorthi, 4 <sup>th</sup> Sem RA
10.10 a.m.- 10.20 a.m.	Lighting up the lamp	Chief guest, Principal, HoD's and all
10.20 a.m. – 10.25 a.m.	Welcome address	Dr. Karthikeyan M, HOD-RA
10.25 a.m. -10.30 a.m.	Presidential Address	Dr. R. Balakrishna Principal
10.30 a.m. – 10.35 a.m.	Address by Vice Principal	Dr. Amutharaj J
10.35 a.m. – 10.40 a.m.	Address by HOD ME	Dr. Ramesh C
10.40 a.m. – 10.42 a.m.	Introduction of Chief Guest	Mr. Suhas Vashista 6 <sup>th</sup> Sem RA
10.45 a.m. – 10.50 a.m.	Honoring the Chief Guest	Principal, HOD's and Faculty Coordinator
10.50 a.m. – 12.00 p.m	Speech by Chief Guest	<b>Prof. Prabhakar A</b> Master of Science, USA
12 .00 p.m.	Vote of Thanks	Mr. Haroon Khan
12.10 onwards	<b>Technical Events Program Flow</b>	

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## Department of Robotics and Automation

### Technical Events Schedule

Date:05-07-2024

Time	Event	Venue	Co-ordinator
12.00 p.m.-1 p.m.-	Roborace	Ground/3 <sup>rd</sup> floor lobby	Mohan MK
12.30 p.m.-to 1.30 p.m.	Circuit Design	Underground Robo Lab	Suhas S Vasista
12.30 p.m.to 1.30 p.m.	Quiz	Aryabhata Seminar Hall	Nitha Shree
<b>1.30 p.m.to 2.30 pm</b>	<b>Lunch</b>	<b>Room no 108</b>	<b>Charan</b>
2.45 p.m. to 3.45 p.m.	Line Following Robo	Room no 109	Naveen
2.45 p.m.to 3.45 p.m.	Speed Cube	Room no 103	Harsha
2.30 p.m.to 3.30 p.m.	Gaming	Room no 104	Bala
10.30 p.m.to 4.00 p.m.	Carnival Games	Coridoor	Poomani

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### VALEDICTORY FUNCTION

Prize Distribution to all the winners and runners



**Fig 11 Quiz Competition 1st prize winners**



**Fig 12. Quiz Competition 2<sup>nd</sup> prize winners**



**Department of Robotics and Automation**



**Fig 13. Rubrics cube 1st prize winner**



**Fig 14. Rubrics cube 2<sup>nd</sup> prize winner**



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**Fig 15. Project expo 1st prize winners**



**Fig 16. Project expo 2<sup>nd</sup> prize winner**

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**Fig 17. Line Follower Robot 1st prize winners**



**Fig 18. Line Follower Robot 2<sup>nd</sup> prize winners**



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**Fig 19. BGMI 1st prize winners**



**Fig 20 BGMI 2<sup>nd</sup> prize winners**

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**Fig 21 Roborace 1<sup>st</sup> and 2<sup>nd</sup> prize winners**

We thank all the students, faculty members and the participants who came from various Colleges and Universities like Christ University, Ramaiah University, AJ college of Engineering and Technology, Sri Ramkrishna College of Engineering Coimbatore, Bangalore Institute of Technology, RV college of Engineering, Dayananda Sagar Academy, and our Rajarajeswari College of Engineering for taking part in our 1<sup>st</sup> National Level Technical Symposium KRITAAAYU 2024 and making it a grand successful event.

**-Report Prepared by**

**Dr.M.Karthikeyan, HOD RA**

**Dr.Radhakrishna R K, ASP-RA and Convenor**

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**Sample copies of the Certificate**

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This is to certify that Mr./Ms. Shijin. A.J of 3 Year  
of ME Department, Ramawah. University had  
participated / Like Followed / won 1st / 2nd / 3rd Place in the First Technical Symposium "KRITAAYU"  
held on 5th of July 2024 organized by Department Robotics and Automation in  
collaboration with Department of Mechanical Engineering of Rajarajeswari College of  
Engineering, Bengaluru, Karnataka, India.

*Dr. R. Radhakrishna R. K.*

DR. RADHAKRISHNA R. K.  
CONVENER

*Dr. Thanuj Kumar M.*

DR. THANUJ KUMAR M.  
CO-CONVENER

*Dr. M. Karthikeyan*

DR. M. KARTHIKEYAN  
HOD-R&A

*Dr. Ramesh C.*

DR. RAMESH C.  
HOD-ME

*Dr. R. Balakrishna*

DR. R. BALAKRISHNA  
PRINCIPAL





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This is to certify that Mr./Ms. Sarstosh Kumar K of ECE Department, DSATM of 1<sup>st</sup> Year had

*Project caps*

participated / won 1st / 2nd / 3rd Place in the First Technical Symposium "KRITAAYU" held on 5th of July 2024 organized by Department Robotics and Automation in collaboration with Department of Mechanical Engineering of Rajarajeswari College of Engineering, Bengaluru, Karnataka, India.

*Dr. R. Radhakrishna*

DR. RADHAKRISHNA R. K.  
CONVENER

*Dr. Thanuj Kumar M.*

DR. THANUJ KUMAR M.  
CO-CONVENER

*Dr. M. Karthikeyan*

DR. M. KARTHIKEYAN  
HOD-R&A

*Dr. Ramesh C.*

DR. RAMESH C.  
HOD-ME

*Dr. R. Balakrishna*

DR. R. BALAKRISHNA  
PRINCIPAL



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This is to certify that Mr./Ms. Nirmith N.S. of 1 Year

of EJC Department, BIT had participated / won 1st / 2nd / 3rd Place in the First Technical Symposium "KRITAAYU"

held on 5th of July 2024 organized by Department Robotics and Automation in collaboration with Department of Mechanical Engineering of Rajarajeswari College of Engineering, Bengaluru, Karnataka, India.

**DR. RADHAKRISHNA R. K.**  
CONVENER

**DR. THANUJ KUMAR M.**  
CO-CONVENER

**DR. M. KARTHIKEYAN**  
HOD-R&A

**DR. RAMESH C.**  
HOD-ME

**DR. R. BALAKRISHNA**  
PRINCIPAL



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of Egc Department, BIT had participated / won 1st / 2nd / 3rd Place in the First Technical Symposium "KRITAAYU"

held on 5th of July 2024 organized by Department Robotics and Automation in collaboration with Department of Mechanical Engineering of Rajarajeswari College of Engineering, Bengaluru, Karnataka, India.

[Signature]  
DR. RADHAKRISHNA R. K.  
CONVENER

[Signature]  
DR. THANUJ KUMAR M.  
CO-CONVENER

[Signature]  
DR. M. KARTHIKEYAN  
HOD-R&A

[Signature]  
DR. RAMESH C.  
HOD-ME

[Signature]  
DR. R. BALAKRISHNA  
PRINCIPAL