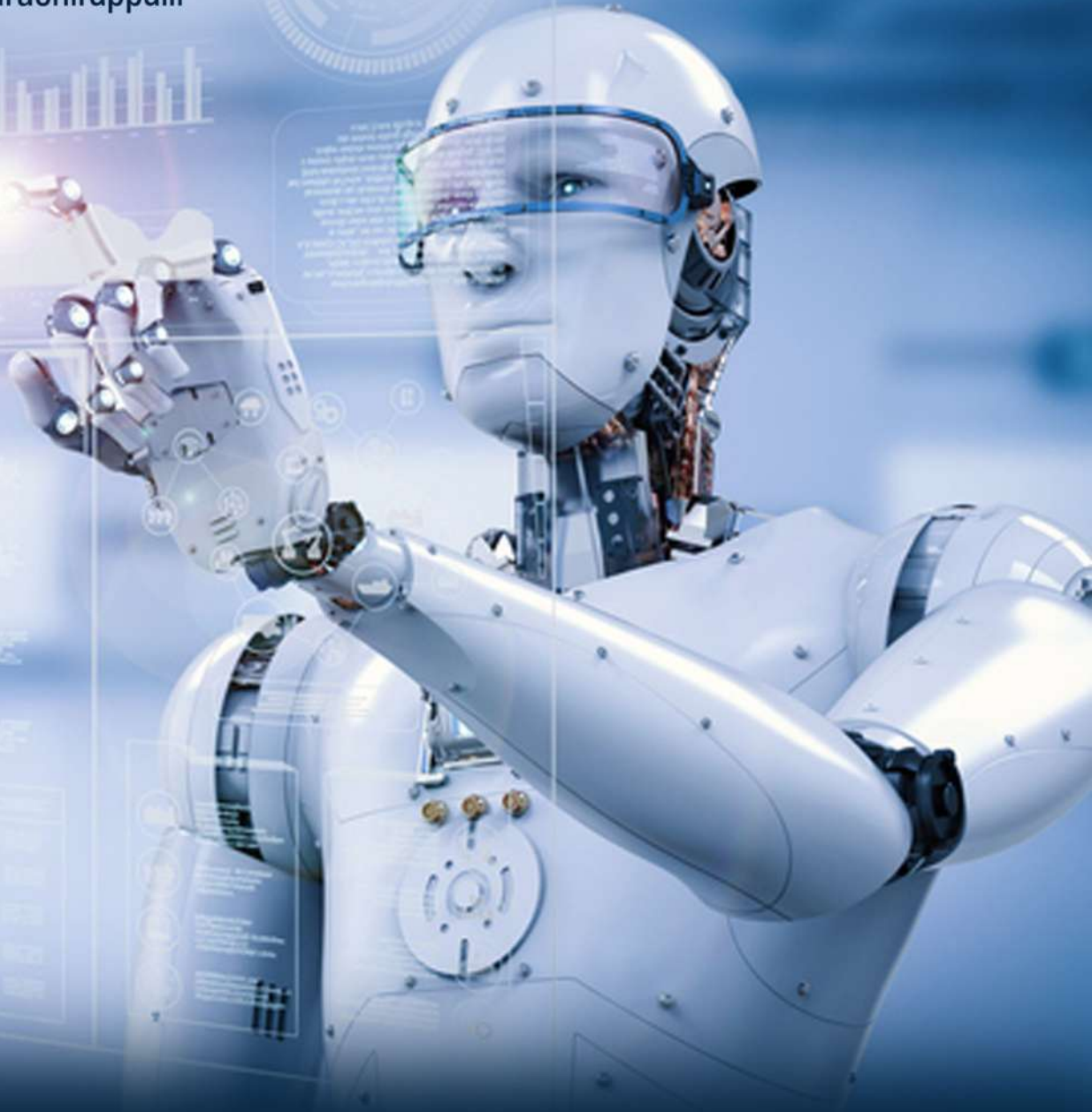




IECD
Bharathidasan University
Tiruchirappalli

AUTOBOTS
INSPIRE. INNOVATE.



**Hands-on experience is the best way
to learn about all the interdisciplinary
aspects of **ROBOTICS**.**

- Rodney Brooks

**University Certificate Programs in Robotics
Especially for school children**



About the IECD & University

The Bharathidasan University has established the Institute for Entrepreneurship and Career Development (IECD) with a view to fill the serious gap in our educational system, viz. lack of opportunities for promoting entrepreneurship among the students. Most of our conventional programmes at the undergraduate and postgraduate levels in the University system turn out graduates and postgraduates who are neither inclined nor equipped to establish and run enterprises of their own involving managerial and organisational skills. They are seldom given hands-on-experience and skills and they are not confident of becoming entrepreneurs. Another weakness in the existing programmes is the structural rigidity under which the teachers and the taught are not in a position to attain the relevant skills and field exposure, even if they want to. The learners are constrained by the curricular rigidities which lead them to a structured degree or PG programme. As a result, the tertiary education produces the employment seekers in the form of graduates rather than employment generators in the form of entrepreneurs.

For Rehabilitating various types of beneficiaries , it offers 124 skill based Certificate / Diploma / Advanced Diploma / PG Diploma programmes through its campus and tie-up with over 40 Institutions. In past 17 years over 7 lakhs students were benefited through various programmes offered by IECD. **IECD issues the university certificate to the student, who have successfully completed the programme.**



Autobots was started with the prime vision of inspire learning , triggers thinking and enhances creativity to build young innovators in the modern students community. We are a trusted providers of co curricular and out of classroom learning to schools and college students. Our purpose is to enhance the lives of young students through experiences that inspire. By partnering with teachers and group leaders, from planning through to review, we help to define and target their learning objectives to become a creative designer of modern world systems.

We are committed to helping schools , youth groups and individuals get the most from our innovative programs and we are raising the bar to provide the very best learning experiences. We believe that by working in partnership with schools and teachers we can build innovative minds in young students that have a measurable impact back in school, helping to influence the futures of the thousands of young people every year.



5th Std.

₹. 400/-

Robotic Beginners level 1

Fundamental of Electronics
Building Robot Toys
Simulation of circuits and
introduction to coding

6th Std.

₹. 400/-

Robotic Beginners level 2

Fundamental of Robotics
Sensors and Applications
Building Logical Robots
Discovering how robot works

STREAM A

7th Std.

₹. 450/-

Robotic Makers level 1

Introduction to Arduino
Arduino Robots
Communicating with Robot
Controlling Robot

8th Std.

₹. 450/-

Robotic Makers level 2

Raspberry Pi
Python coding
Pi Robots
IOT overview

9th Std.

₹. 450/-

Robotic Racers

Artificial Intelligence
How things work in AI
AI Algorithms
Object Detection Techniques

STREAM B

7th Std.

₹. 450/-

Arduino Programming

Block Programming
Arduino Simulation
Virtual Robots
Real time projects

8th Std.

₹. 450/-

Internet of Things (IOT)

How IOT works
Arduino in IOT
Lan and Cloud communication
Design IOT projects

9th Std.

₹. 450/-

Robotics Application Development

Need of RAD
Build Basic Apps
Develop own controlling App
Cloud Platforms for RAD

Uniqueness of the programme



Individual books for courses



Excellent PPTs for Theory



The Art of Doing



Free training to staff



Systematic Monitoring & Support



State Level Award to Outstanding students

Benefits to the Schools

- Latest technologies in your class rooms.
- Academic Enrichment with Robotics Clubs
- Opportunity to participate in Competitions and promote schools excellence in National Level
- Opportunity to interact with Subject experts from the university and Industries.
- Makes Learning Fun
- Prepare your students for Future

Benefits to the Students

- Develop this skill for tomorrow
- Strong Foundation to become an Industrialist/ Entrepreneur
- Learn to be Problem Solver
- To learn valuable life and career skills
- Can explore multidisciplinary projects
- Valid Certificate for career development.

Examination & Certification

Internal : Autobots will send the question papers for Quarterly, Half yearly and Model Examinations with the Approval of IECD in advance for conducting the respective exams for the students.

External : The Final Examination of the programmes (both Theory and Practical) will be conducted by the IECD during Feb/ March.

Results : Results will be published during March/ April every year. Mark Statement & University Certificates will be issued to the students through Autobots to their school during the end of April.

Ranks: The University rank holder in the eight programmes i.e. up to five ranks and the first rank holders in each programme by participating school wise will be honored with the Medals & Certificates in the passing out ceremony specially organized by IECD

Mode Of Payment

Payment of Prescribed fee should be made through IECD website (Online) or in the form of DD taken in any nationalized bank in favor of " The Director, IECD, Bharathidasan University"

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