

ABOUT ARCOMM



INDIA



UAE



OMAN



Founder and CEO of ARCOMM

Dr. Arun Raaza

Innovator & Entrepreneur

CEO - Arcomm Tech Solutions Pvt. Ltd, INDIA

CEO - Arcomm Child Skills Development Training, Dubai, UAE

- Mentor - Innovation & Entrepreneurship, Swansea University, United Kingdom.
- Advisor - Research & Development in Education, Science & Technology, NES Mumbai. (IB Word Schools , ICSE Schools, CBSE Schools, Colleges)
- Director - Research & Development, VELS University, Chennai
- Chairman - Centre for Applied Research and Studies, SBIOA Educational Trust
- Mentor - Atal Innovation Mission, NITI Aayog, Govt. of India





Education : B.Tech, M. Res (UK), Ph.D

Major Breakthrough : Invented ATM Auto Controller - Deployed at 3000+ ATMs
 : Highly appreciated by State Bank of India & Indian Bank
 : Conserves 8 to 12 Units per day per ATM
 : 60 Crore Units can be saved if deployed across all ATMs in India

Patents : Domestic - 30 | International - 02 **Number of R&D Papers Published** : 70+

Area of Specialization : Antennas, Automation, Surgical Robots, Internet of Things

Awards & Accolades :

- Best Achiever of Dr. MGR University 2003-2007 Batch
- Young Presenter in IEEE APS, San Diego, USA, 2008
- Swansea University (UK) Ambassador Award, 2009
- Best Paper Award for "Under Vehicle Surveillance" in Knowledge UTSAV, 2010
- Youngest session Chair at IEEE WCNIS, Beijing, China, 2010
- Best Project Award for "Under Vehicle Surveillance" in Dr. DY Patil Institute of Tech, Pune, 2011
- Dr Vikram Sarabhai Award, Pune, 2011
- Campus Innovation Award for "Surgical Robot" in IIT Bombay, 2012
- VIRA Young Scientist Award (for the achievement in the field of Antennas), 2016
- IDF Social Ambassador Award, 2017
- Dr. A. P. J. Abdul Kalam Award, 2017
- Excellence and Innovation Award, 2017
- Rashtriya Gaurav Award, 2018
- Glory of India Award, Bangkok, Thailand. 2018
- Best Citizens of India Award, 2018
- Mahatma Gandhi Samman Award, House of Commons, London, 2018
- One of the Finalist for British council Alumni Award, 2019

International Visit for R&D : USA, UK, Japan, China, Singapore, Malaysia, Dubai, Sri Lanka and Thailand

Notable Sponsored Projects Completed as Principal Investigator :

- 45° Beam Steerable Antenna for UWB (Patented in UK)
- Surgical Robot
- SW Modeling for BHAVINI (Department of Atomic Energy)
- Conformal Antenna for KU Band (Defense Research and Development Organization)
- Mobile Combat Bot & Mobile Controlled Car AC On/Off (Department of Scientific and Industrial Research)

Transfer of Technologies : 12



VISION

To enable student Innovators
and future Entrepreneurs



MISSION

To inculcate creativity and foster
innovation culture among student
community by providing hands on
Skill Development training in
Emerging Technologies

What is ARCOMM?

- ARCOMM is a state-of-the-art technical skill development programme aimed for children of age 6 and above.
- It focuses on introducing children to the scope of Emerging Technologies & exploring its potential.
- ARCOMM technical skill development programme equips children with intellect & skill to become future innovators.

Benefits of ARCOMM

- The teaching method used at ARCOMM is totally hands on. The Children are given a comprehensive introduction to the world of digital revolution & artificial Intelligence! They are trained to work on Electronics, Internet of Things, Embedded system, Mechatronics, Robotics, Artificial Intelligence and App Development.
- ARCOMM bridges the gap between classroom and real-time Industry requirement. It prepares the children for future technologies.
- ARCOMM classes give more focus on practical learning, rather than heavy theory lessons. This makes knowledge retention more effective and effortless for children.
- Children will understand the working mechanisms of electrical & electronic appliances & personal gadgets. This will help them to use these platforms in a more creative & productive manner.
- Children will be trained to develop skill in assembling and preparation of prototype robot models.
- Children will get a detailed introduction into coding and will learn to develop applications using programming tools.
- Analytical thinking and creativity skill will be nurtured.

How ARCOMM works at Centre ?

COURSE MAP OF ARCOMM:

LEVEL	AGE	DURATION	MODULE
Little Innovator 1	6 & 7	6 Months	2
Little Innovator 2		6 Months	2
Level 1 - Basics of Electronics	8 & Above	6 Months	2
Level 2 - Basics of Robotics		6 Months	2
Level 3 - Embedded System		6 Months	2
Level 4 - Advanced Robotics & Mechatronics		6 Months	2
Level 5 - Internet of Things (IoT)		6 Months	2
Level 6 - Artificial Intelligence (AI)		6 Months	2

- Monthly - 4 Sessions | • One Session – 2 Hours | • Little Innovator 1 & 2 is mandatory for both age 6 & 7
- Basics of Electronics level is mandatory for age 8 and above

ARCOMM Training @ Centres



ARCOMM Children

@ UAE Al Nahda, Al Qusais, Al Karama, Dubai, Ajman & Sharjah



ARCOMM Children

@ OMAN North Al Gubra

Testimonials on our Technical Skill Development Training from the Parents

Mrs. Sonali, Parent of Prakhar

GRADE 6 STUDENT, ADVANCED ROBOTICS & MECHATRONICS



It was my long sought dream to enable Prakhar learn Electronics and latest technologies and make working models using it. The classes are mostly practical and interesting. I hope you prepare Prakhar this way that he makes some big project that will help him getting admissions in a reputed university. After he joined your class, he often discusses the topics to his father. Though I don't have much knowledge about the technical topics, I feel so happy and satisfied to see his enthusiasm.

Mr. Sirnivasa Rao G, Parent of Lok

GRADE 4 STUDENT, EMBEDDED SYSTEM



At first I would like to thank Mr.Arun who has designed this ARCOMM program wonderfully. Then would like to really appreciate ARCOMM team, My son is attending classes for almost a month's time; within that period of time, he is picking up the terminologies well which are supposed to be used for appropriate topics which they are teaching in the session. Even in real life my son is able to connect the topics that have been taught in class. We wish ARCOMM to be best in future.

How ARCOMM works at School ?

COURSE STRUCTURE

	Grade 1 - 4	Grade 5 - 9
No. of Sessions per year	36 Weeks	36 Weeks
Duration per session	40 - 45 Mins	40 - 45 Mins
Sessions per month	Weekly	Weekly
Takeaway	School Drive (or) Via Email.	School Drive (or) Via Email.

ARCOMM Training @ School Premises



ARCOMM team providing hands on skill development training to the students of NES International School – Mumbai, India



ARCOMM team providing hands on skill development training to the students of The Ryan Global School – Mumbai, India.



Dr. Arun Raaza acted as Chief Guest and Keynote Speaker in 8th NES International Science & Technology Festival organised by NES SVB - IB World School – Mumbai, India.



Experts from ARCOMM Provided Seminar on Innovation in Electronics & Robotics to The Central School - Dubai, UAE.



Experts from ARCOMM Provided Seminar on Innovation in Electronics & Robotics to The City School - Ajman, UAE.



ARCOMM team providing hands on skill development training to the students of The Bloomington Academy – Ajman, UAE.



Dr. Arun Raaza acted as one of the Judges in Innovation Mela 2019 - 2020 in GEMS Modern Academy - Dubai, UAE. & GEMS Millennium School - Sharjah, UAE.



ARCOMM is happy to partner with Ryan International School - Sharjah, UAE for their Innovation Lab



ARCOMM team providing hands on skill development training to The Ryan International School – Sharjah, UAE

Testimonials on our Technical Skill Development Training from Industry Experts



Dr. A. P. Jayaraman

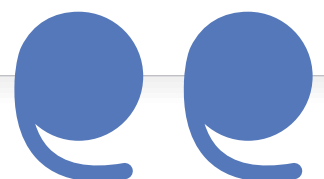
Chairman, National Centre for Science Communicators
President, STEAM Academy, www.academy4steam.com

I have actively followed the skill development program designed developed and deployed by the dynamic ARCOMM team for the front end of the school stream for children of age 6 and above. It is best in class program to seamlessly train students in analytical thinking and creativity and nurturing future ready student leaders. Present Classroom - text book - lab teaching practices are insufficient and deficient in delivering the desired outcome.

The essential emphasis is on introducing students to the supremacy of Emerging Technologies by providing hands-on training in Electronics, Embedded systems, Robotics, Internet of Things and Artificial Intelligence.

ARCOMM does not dish out information and passively pass on nuggets of knowledge. They painstakingly impart the skill of knowing things by doing things and prepare students for the world of work in industry setting.

I congratulate the vibrant ARCOMM team for their dynamic engagement of the teaching and learning communities in India and abroad and for the creation of a congenial educational ecosystem.



Testimonials on our Technical Skill Development Training from Academy Experts



Dr. R. Rajammal

Dean, Sree Shanthi Anand Vidyalaya,
President Awardee, Woman Achiever & Social Ambassador.

Dr. ARUN RAAZA, CEO, ARCOMM, is a young erudite Scientist. He is absolutely enterprising, exuberant and enthusiastic which are reflected in his amazing Innovations.. His innate urge to serve and develop the society is visible in every novel activity performed by him. Creativity is his forte. Multifaceted personality and humble in nature, he has won innumerable accolades at National and Global arenas. He is the pride of our glorious India. Infact, a trendsetter and a progressive Innovator beyond doubt.

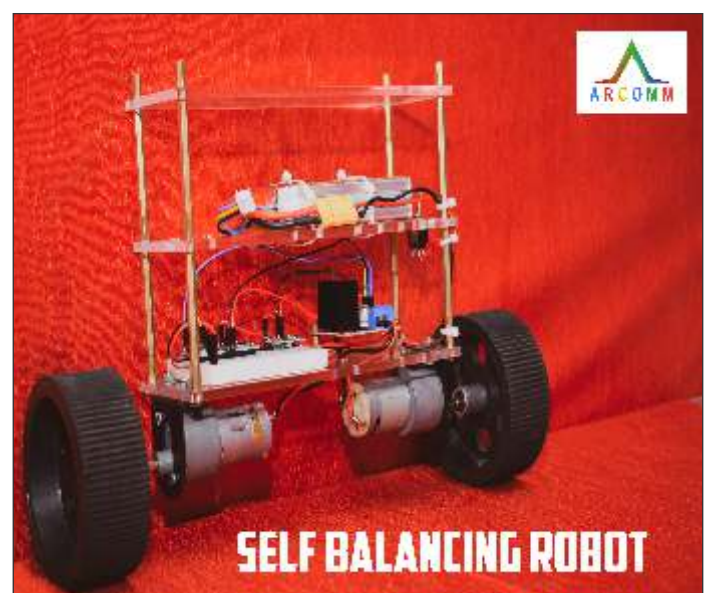
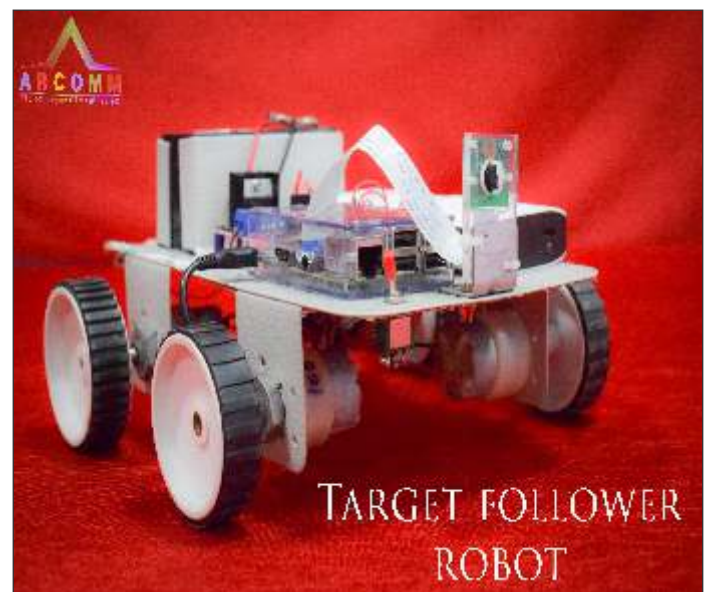
Innovation is the demand and Mantra in today's digital era. To hone the skills of Next Generation, Dr. Arun Raaza has gone an extra mile through Arcomm. The ultimate focus is to develop India into a self sustained nation at the global level in terms of Innovation and Incubation. Arcomm's goal is to motivate and inspire the young minds in Research and Innovation. With the immense hidden talent, capabilities and bubbling energy, students are motivated to explore, experiment, search and research beyond the four walls of the class rooms to become vibrant scientists and entrepreneurs.

The whole hearted support being rendered by Arcomm to the downtrodden and underprivileged students of the society requires a special mention. Dr. Arun Raaza's dream is to reach for the stars but he has reached the sky.. and beyond....

I wish him all the success.



Notable Innovations of Our ARCOMM Children



Achievements of our Young Innovators from USA and Canada



Our highly progressive ARCOMM Child Master.Srikar, who is a Grade 6 student from USA has filed a patent for his innovation “Automatic Pet Paw Washer”, during his training in ARCOMM UAE.



One of our ARCOMM Student Mr. Sarthak, who is pursuing his Under Graduation in University of Victoria, British Columbia, Canada has developed an “IoT Based Smart Security System”, under the guidance of ARCOMM UAE.



Achievements of our ARCOMM Children

Students of SBIOA Model School, Chennai, excelled with first prize at AMET Science Innovation award 2016 and they were awarded Rs 50,000/- cash prize and a sponsored a visit to ISRO, Bangalore



Students of SBOA Mat. Hr. Sec. School - Coimbatore, excelled with first prize at "International Congress on Education and Public Welfare-ICEPW 2017"
ICEPW- 2017 Science fair held at Sathyabama University and they were awarded Rs.10,000/- cash prize



Sai Nishitha - 6th Std Student of PSBB School was awarded A. K. Samban Award, 2018 in Junior Level Category.



Newspaper articles on ARCOMM





What Makes the ARCOMM training effective

- We provide knowledge to student community on how to approach research and offer guidelines over Patents, Publications, Transfer of Technology, Industry and Govt. funded projects
- Enabling Child Innovators and Entrepreneurs
- Exclusive syllabus for Students on Emerging Technologies
- To bring out the hidden technical talents of children and shape their ideas into reality
- Students will be taught on how to innovate based on our skill development programme which will enable student innovations inside the school campus
- Students will be involved in developing practical solutions with their ideas to tackle the problems they face in their community
- Junior scientists will contribute towards growth of their Nation



Our Associated Schools @ UAE

		 Indian School Ajman Recognized by UAE Ministry of Education & Affiliated to CBSE, New Delhi.  المدرسة المركزية The Central School
 RYAN INTERNATIONAL SCHOOL EXCELLENCE IN EDUCATION & ALL ROUND DEVELOPMENT Sharjah, UAE		 RYAN INTERNATIONAL SCHOOL EXCELLENCE IN EDUCATION & ALL ROUND DEVELOPMENT Masdar, Abu Dhabi, UAE

Our Associated Schools @ India

 EDUCATE & ILLUMINATE	 MCC CAMPUS Matric. Hr. Sec. School.		
			



For Franchises & Admissions Contact us

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