

AI & ROBOTICS
FREE WORKSHOP
FOR
CALCUTTA SCHOOL OF SCHOLARS



IoT, Robotics
& AI Study

IT
Competency

Scientific
Knowledge

Qnodiam, Education that enlightens!

- ❖ Dependable Competency Partners
- ❖ Expert Industry Veterans
- ❖ Lucid & Practical

Qnodiam's mission is to mentor school **children into leading edge technologies** because children's appreciation for technology today, will make **India the leader** of tomorrow.



Our globally industry leading coaches specialize in:

1. Comprehensive teaching of Robotics & AI **board curriculum**
 - Python computing skills & all relevant libraries
 - Data Science, Analytics & Visualization
 - Machine Learning
 - Neural Networks & Deep Learning
 - Computer Vision & NLP
 - IoT & Robotics
2. Hands-on labs & project-based mentoring
3. Support beyond syllabus & instil knack for career excelling
4. Generative AI
5. Impart awareness of ethical considerations
6. Accurate **skill assessment** and **certifications**

A BRAVE NEW WORLD



A.I. – more profound than fire or electricity!

- Sundar Pichai, Alphabet C.E.O.

Mundane Professions to Phase Out

- ❖ Basic office jobs: Accountants, clerks, tellers, junior lawyers
- ❖ Junior software & web dev, BPOs, telemarketing & data entry
- ❖ Basic content writers, proofreaders & graphic designers
- ❖ Farming, security, factory workers & assembly line
- ❖ Packagers, drivers, warehousing workers, delivery workers

Experts To Need More AI Skills

- ❖ Healthcare: Doctors, surgeons, therapists, technicians
- ❖ Teachers & educationists
- ❖ Scientists & researchers
- ❖ Software developers, trade's people, technicians & artists
- ❖ Corporate strategists, social workers & lawyers

Creative & Innovative Professions To Be In

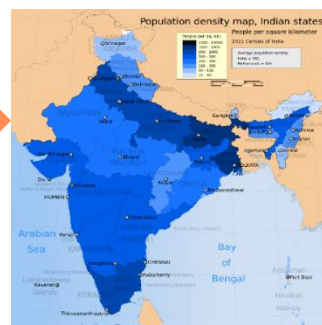
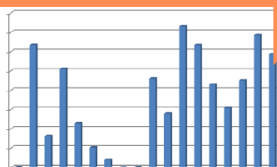
- ❖ Artificial intelligence & Machine learning engineers
- ❖ Data engineers & data scientists
- ❖ IoT specialists & robotics engineers
- ❖ Senior software engineers

THE QNODIAM ADVANTAGE – PYTHON, DATA SCIENCE & AI

Rank	Name	Population	%	Rural population	Urban population	Area (sq km)	Density (per sq km)
1	Uttar Pradesh	199,812,301	18%	131,038,339	68,773,962	240,928	830
2	Madhya Pradesh	96,876,437	9%	67,776,647	29,100,000	307,713	313
3	Bihar	97,099,100	8%	74,316,708	22,782,392	94,163	881
4	West Bengal	91,176,107	8%	57,148,749	34,027,357	88,702	1028
5	Andhra Pradesh	76,310,307	7%	55,481,304	20,829,003	149,645	510
6	Tamil Nadu	72,405,479	6%	44,911,161	27,494,318	130,058	556
7	Odisha Pradesh	40,586,913	4%	28,585,674	12,001,239	155,248	261
8	Karnataka	56,307,188	5%	43,291,813	13,015,375	191,230	294
9	Kerala	39,030,000	3%	24,499,000	14,531,000	105,495	370
10	Chennai	50,471,017	5%	31,740,767	18,730,250	156,024	323
11	Delhi	16,854,000	1%	10,387,400	6,466,600	1,484	11,354
12	Rajasthan	67,841,074	6%	45,574,449	22,266,625	342,239	198
13	Goa	14,583,297	1%	9,583,297	5,000,000	14,129	1,032
14	Assam	26,853,038	2%	17,116,098	9,736,940	78,438	343
15	Uttarakhand	24,310,000	2%	16,048,000	8,262,000	53,903	451
16	Haryana	21,146,364	2%	13,029,260	8,117,104	44,312	478
17	West Bengal	20,831,000	2%	13,481,000	7,350,000	104,271	200
18	Uttaranchal	10,143,700	1%	6,607,000	3,536,700	131,314	77
19	Manipur	2,821,000	0.2%	1,771,000	1,050,000	22,325	126
20	Andhra Pradesh	1,007,000	0.1%	640,000	367,000	1,007	100
21	Tripura	1,199,000	0.1%	740,000	459,000	1,100	109
22	West Bengal	1,199,000	0.1%	740,000	459,000	1,100	109
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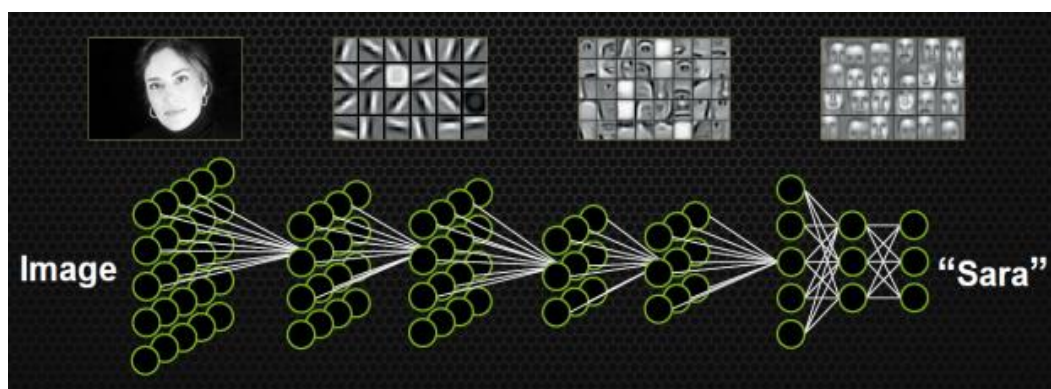
Qnodiam
Education that enlightens!

Visualization is key



❖ Visualize the DATA & SCIENCE of data science/AI:

- Optimized coding skills
- Stimulates interest in otherwise dry subject
- Triggers innovation through imagination
- Comprehensive training resources

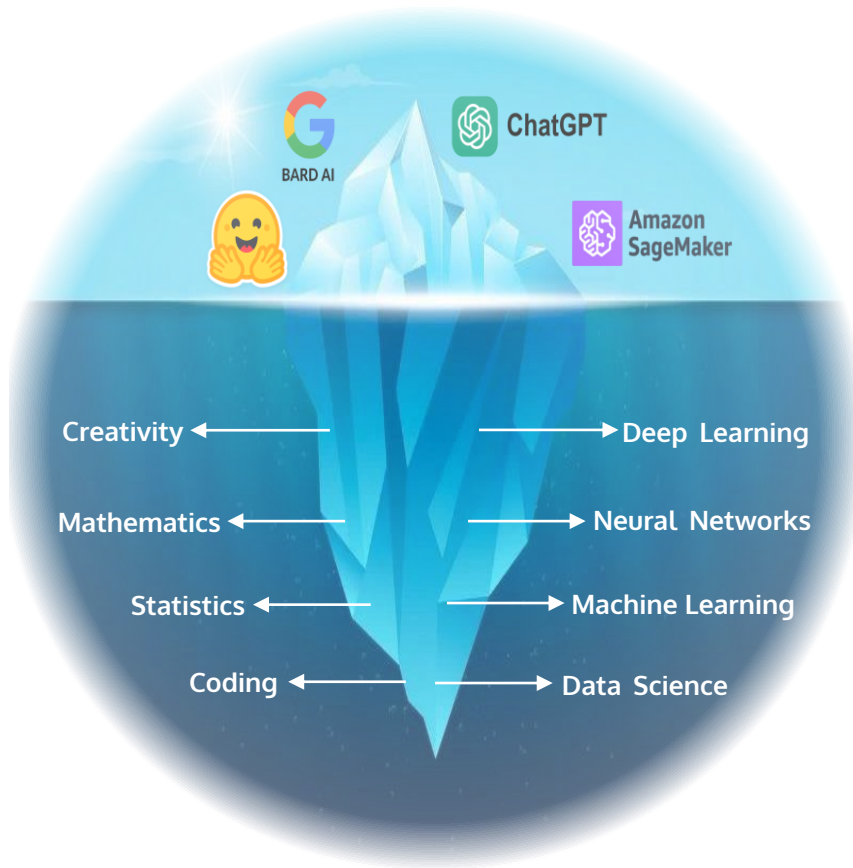


Visual demonstration of how AI actually works internally

❖ Relatable concepts: simplified & delightful

- Empathetic & supportive teaching style
- Step-by-step, holistic approach
- De-clutter the thoughts & inspire to seek further

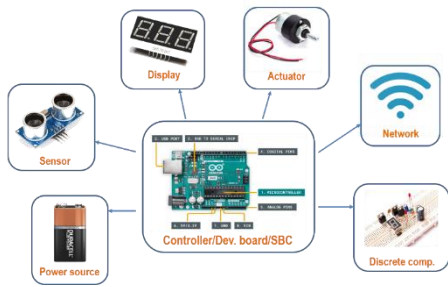
THE QNODIAM ADVANTAGE – DEMYSTIFY GENERATIVE AI



Learn to Leverage Generative AI:

- ❖ Different models and pipelines
- ❖ Prompt Engineering
- ❖ RAG Technique
- ❖ Langchain, Gradio for AI based apps
- ❖ Deploy your own chatbot
- ❖ Exciting NLP projects

THE QNODIAM ADVANTAGE – ROBOTICS & IOT



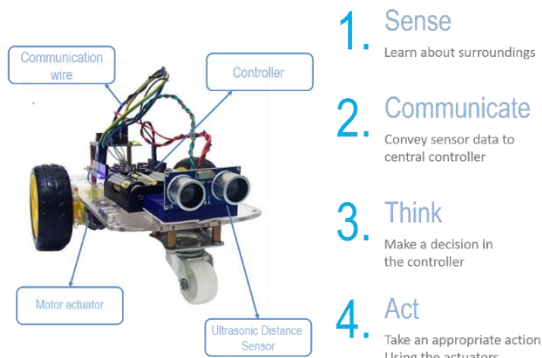
Robotics Components

❖ At Qnodiam, we boast our own:

- Development boards
- Managed IoT cloud platform
- Comprehensive training resources

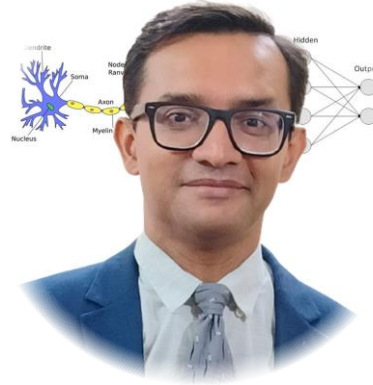
❖ We inspire through hands-on projects:

- Comprehensive syllabus coverage
- Practical & lucid, help conceptualize
- Inspire beyond curriculum to excel in career



Experiments & Projects

AI & PYTHON FACULTY



Anirban Chakrabarty, C.E.O.

B.E.(Electronics), M.B.A. (Finance)

anirban@anodiam.com

+91 9073 700094 / +61 470 142 229

❖ Empathetic, Dynamic, & Supportive

- 24 years of blue-chip experience
- Corporate trainer & excellent communications
- *Dynamo of energy, dependable & trusted for the job!*

– Vish Coosa, Morgan Stanley, U.S.A.

❖ Thorough Knowledge, Can Make Difficult Concepts in AI Seem Lucid

- Worked on multiple Corporate AI projects globally
- Elementary thinker, visualizes subject matter through clutter & noise
- Improved accuracy of AI models singlehandedly up to 99.8%
- *Super brain, the best guy to take care of all our AI implementation!*

– Government Client



ROBOTICS & IoT FACULTY



Bappaditya Debsingha, IoT Prod Manager

B.E.(J.U., Mechanical), M.B.A.(XLRI)

<https://www.youtube.com/c/wisethingz>

https://www.instagram.com/bappa_wt

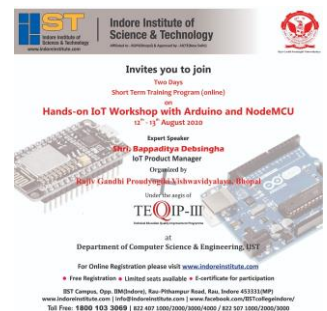
www.wisethingz.com

❖ Inspiring Mentor, Innovative & Entrepreneurial

- 18 years of global experience
- Trained hundreds of children & industry professionals
- IoT & Robotics workshops at institutions & corporates

❖ Industry Leading S.M.E. in the fields of

- Autonomous machines, automation, sensors & IoT driven BI
- Analytics dashboards, Cloud API gateways, integration to mobile apps



AI & ROBOTICS BOOTCAMP: BYTE SPARK 2024



ABSOLUTELY FREE!

2 hours of **Workshop** and 1 Hour **orientation**

At your facility if > 50 attendees
at Anodiam conference Hall if < 50 attendees
Online Webinar if < 10 attendees

All Teachers, Students and Guardians are welcome!

GRAB BEFORE IT'S GONE!