

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

NODIAM'S EXTENSIVE PACKAGE

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

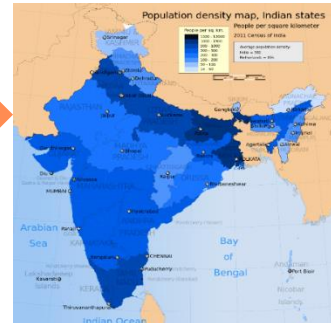
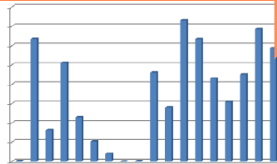
Creative & Innovative Professions To Be In

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

THE QNODIAM ADVANTAGE – PYTHON, DATA SCIENCE & AI

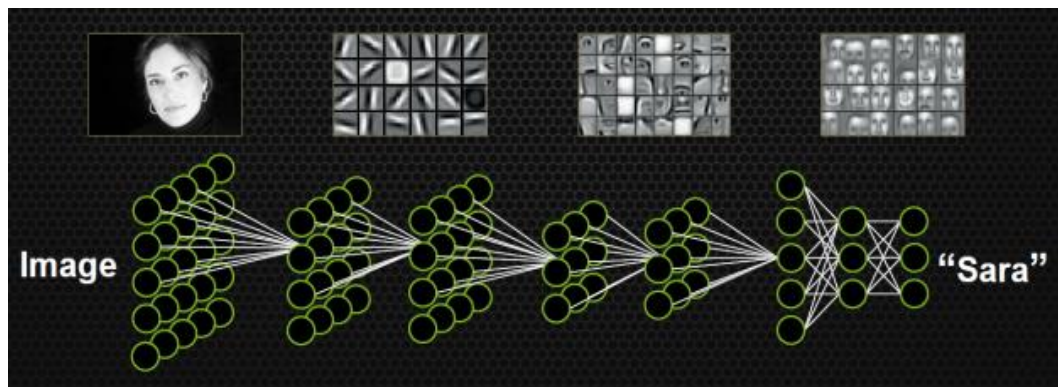
Rank	State	Population	%	Rural population	Urban population	Area (sq km)	Density (per sq km)
1	Uttar Pradesh	199,812,341	16%	131,038,339	68,774,002	240,928	830
2	Madhya Pradesh	96,876,427	8%	67,767,647	29,108,780	308,713	313
3	Bihar	97,127,528	8%	74,316,708	22,810,820	94,163	1031
4	West Bengal	91,276,127	8%	57,168,749	34,107,378	88,702	1029
5	Andhra Pradesh	76,310,307	7%	55,481,367	20,828,940	149,645	510
6	Tamil Nadu	72,405,474	6%	44,951,161	27,454,313	130,058	556
7	Haryana Pradesh	60,566,813	5%	40,585,674	19,981,139	22,028	196
8	Rajasthan	68,621,186	5%	43,291,813	25,329,373	342,239	197
9	Karnataka	61,085,246	5%	34,489,032	26,596,214	191,791	319
10	Chennai	50,871,817	4%	31,740,767	19,131,050	156,024	326
11	Odisha	39,854,400	4%	26,247,432	13,606,968	156,705	254
12	Kerala	31,841,374	3%	22,574,449	9,266,925	38,862	819
13	Goa	30,582,129	3%	20,000,000	10,582,129	37,167	823
14	Assam	26,853,328	2%	21,316,288	5,537,040	78,438	342
15	Punjab	24,224,000	2%	16,000,000	8,224,000	50,362	482
16	West Bengal	21,144,364	2%	13,029,260	8,115,104	44,312	478
17	Chhattisgarh	23,813,801	2%	16,000,000	7,813,801	131,478	181
18	Uttarakhand	10,145,700	1%	7,407,000	2,738,700	222,236	46
19	Manipur	2,821,291	0.2%	1,776,219	1,045,072	22,331	125
20	Andhra Pradesh	1,007,900	0.1%	640,219	367,681	20,073	109
21	Tripura	1,192,201	0.1%	740,219	451,982	10,486	105
22	Mizoram	1,098,282	0.1%	640,219	458,063	20,409	103
23	Nagaland	1,960,381	0.2%	1,240,820	719,561	16,167	123
24	Assam	1,960,381	0.2%	1,240,820	719,561	16,167	123
25	Goa	1,347,688	0.1%	877,091	470,597	3,702	364
26	Andhra Pradesh	1,007,900	0.1%	640,219	367,681	20,073	109
27	Uttarakhand	1,007,900	0.1%	640,219	367,681	20,073	109
28	Manipur	888,073	0.1%	547,567	340,506	11,081	42
29	Mizoram	540,857	0.1%	340,857	199,999	7,000	74
30	Andhra Pradesh	336,132	0.03%	229,934	106,198	8,349	43
31	Uttarakhand	220,440	0.02%	170,027	50,413	491	449
32	Chennai and District	138,024	0.01%	100,856	37,168	112	1,413
33	Uttarakhand	86,480	0.01%	58,688	27,792	36	1,483
34	India	1,024,465,349	100.00%	744,490,639	279,974,710	3,287,260	313

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

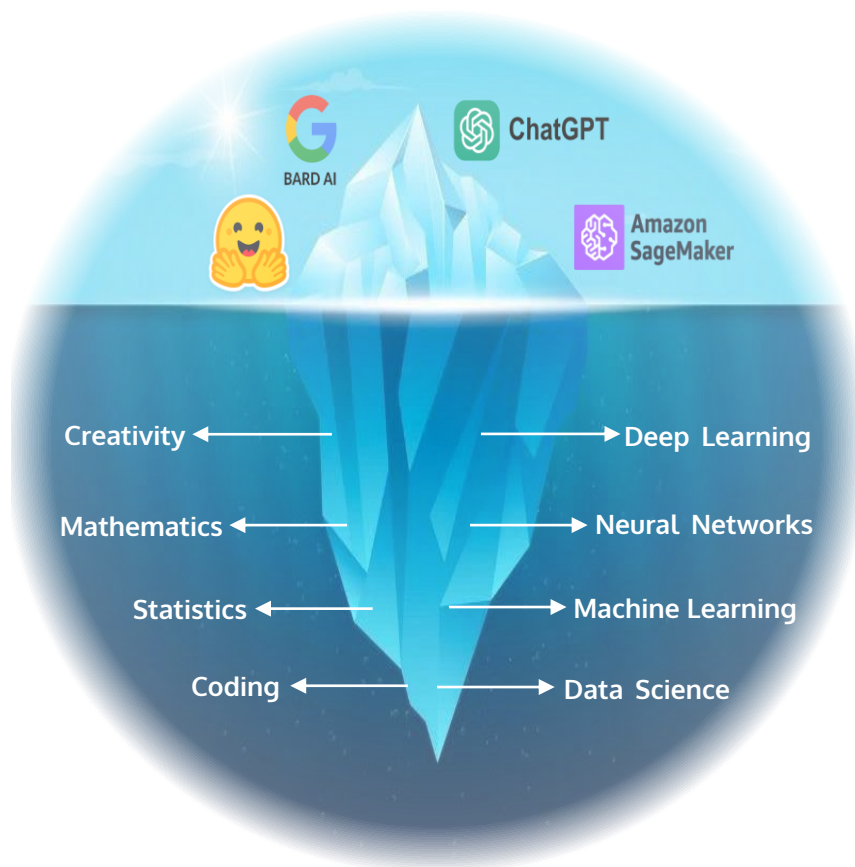


Visual demonstration of how AI actually works internally

❖ Relatable concepts: simplified & delightful

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

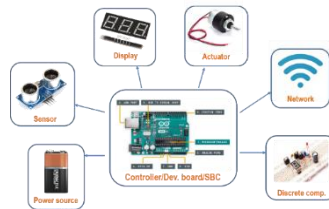
THE QNODIAM ADVANTAGE – DEMYSTIFY GENERATIVE AI



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

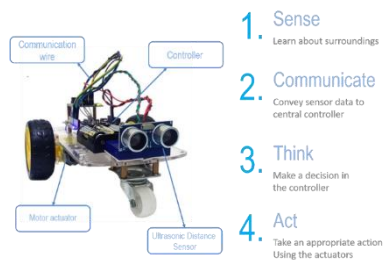
THE QNODIAM ADVANTAGE – ROBOTICS & IoT



Robotics Components

❖ At Qnodiam, we boast our own:

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

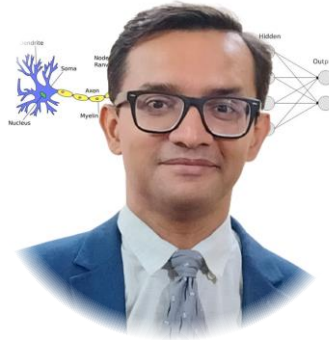


Experiments & Projects

❖ We inspire through hands-on projects:

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

AI & PYTHON FACULTY



Anirban Chakrabarty, C.E.O.

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

anirban@anodiam.com

❖ 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



AI & PYTHON 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

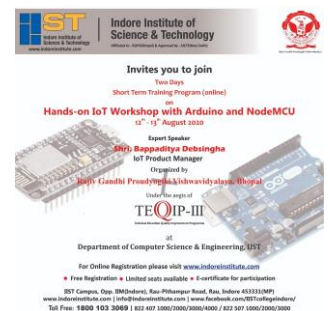
www.wisethingz.com

❖ 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 more than 50 attendees
at Anodiam conference Hall if less than 50 attendees
Online Webinar if less than 10 attendees

All Teachers, Students and Guardians are welcome!

GRAB BEFORE IT'S GONE!