

## NOC:ICT Basics - Video course

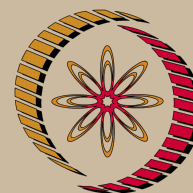
### COURSE OUTLINE

The course content will cover the basic aspects of ICT, especially with a view to their application in agriculture. Week-wise topics are given below.

Week	Topics
1	Basics of ICT
2	Communications
3	Data and Knowledge Representation
4	Activity Recognition and Sensors
5	Social Networking
6	Cloud Computing and GIS

### COURSE DETAIL

Week	Topic	Speaker	mts
<b>Week 0</b>			
1	ICT-Introduction	TVP	5
<b>Week 1</b>	<b>Basics of ICT</b>		
1	Highlights Week 0 and 1	TVP	3
2	What is ICT?	TVP	6
3	Architecture of a Computer	Mainak	4
4	Architecture of a Phone Tablet/Phablet	Mainak	7
5	What is the Internet/	TVP	9



NP-TEL

# NPTEL

<http://nptel.ac.in>

## Agriculture

### Additional Reading:

- [Content from Week 1 of the MOOC on MOOC \(offered during Sep-Oct 2014\) will be a helpful resource:](#)

### Hyperlinks:

<http://www.agmoocs.in/ict/#/resources>

- [Video of Live interaction with Dr. Prabhakar and course team of agMOOCs happened on 4th April.](#)
- [Instructors Hangout Session Transcript](#)
- [Video of Live interaction with Dr. T V Prabhakar , Dr Runa Sarkar, Dr V.Balaji and course team of agMOOCs happened on 28th April.](#)

### Coordinators:

**Prof. T.V. Prabhakar**  
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6	What is WWW?	TVP	6
<b>Week 2 Communications</b>			
1	Highlights Week 2	TVP	2
2	Phones, Smart Phones, Phablets, Tablets	TVP	6
3	Introduction to Android	Sumit	10
4	Network Architectures - Part-1 (Introduction to Computer Networks)	Navpreet	12
5	Network Architectures - Part-2 (Overview of Network Architecture)	Navpreet	10
6	Network Architectures - Part-3 (Architecture of Internet)	Navpreet	13
7	Mobile Wireless Communications - Introduction (Module-1)	Aditya	6
8	Mobile Wireless Communication (Module-2)	Aditya	13
<b>Week 3 Data and Knowledge Representation</b>			
1	Highlights Week 3	TVP	3
2	Adaptive and Responsive Websites	TVP	10
3	Data management	TVP	11
4	Knowledge Representation	Amrita	12
5	Knowledge Representation Techniques	Amrita	12
6	Expert Systems	Amrita	12
<b>Week 4 Activity Recognition and Sensors 1</b>			
1	Highlights Week - 4	TVP	4
2	Speech Recognition	Rajesh	13
3	Speech Synthesis	Rajesh	13

4	Identity Management - Part 1	Saurabh	13
5	Identity Management - Part 2	Saurabh	15
6	Location Recognition - Part 1	Saurabh	14
7	Location Recognition - Part 2	Saurabh	15
8	Parameter Sensing	Neeta	11
<b>Week 5</b>	<b>Social Networking</b>		
1	Highlights Week - 5	TVP	3
2	Social Networking-Part-1	Runa	12
3	Social Networking-Part-2	Runa	18
4	Blogs	Prashant	16
5	Facebook	Runa	15
6	Twitter	Runa	20
	Advanced Lectures (Optional)		
7	3G WCDMA (Module- 3)	Aditya	13
8	4G Mobile Wireless WiMAX (Module-4)	Aditya	8
9	Advanced Wireless Technologies (Module-5)	Aditya	9
10	LTE, WLAN, Bluetooth and Future	Aditya	10
<b>Week 6</b>	<b>Cloud Computing and GIS</b>		
1	Highlights Week-6	TVP	3
2	Introduction to Cloud Computing	Sodhi	11
3	Introduction to Cloud services	Sodhi	14
4	Cloud Service Providers	Sodhi	12
5	GIS Application in Agriculture - Part-1	Balaji	5

6	GIS Application in Agriculture - Part-2	Balaji	
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