



# NAVGUJARAT COLLEGE OF COMPUTER APPLICATIONS

(MANAGE BY VIDYABHAVAN TRUST)

(AFFILIATED TO GUJARAT UNIVERSITY)

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## KALPANA CHAWLA



Kalpana Chawla (March 17, 1962) was an Indian American astronaut and the first woman of Indian origin in space. She first flew on Space Shuttle Columbia in 1997 as a mission specialist and primary robotic arm operator. In 2003, Chawla was one of the seven crew members killed in the Space Shuttle Columbia disaster.

In 1988, she began working at [ ], where she did Computational fluid dynamics (CFD) research on Vertical/Short Takeoff and Landing concepts. In 1993, she joined Overset Methods, Inc. as Vice President and Research Scientist specializing in simulation of moving multiple body problems. Chawla held a Certificated Flight Instructor rating for airplanes, gliders and Commercial Pilot licenses for single and multi-engine airplanes, seaplanes and gliders. Becoming a naturalized U.S. citizen in April 1991, Chawla applied for the NASA Astronaut Corps. She spoke the following words while traveling in the weightlessness of space, "You are just your intelligence". She traveled 10.67 million km, as many as 252 times around the Earth.

When the Columbia disintegrated over Texas during re-entry into the Earth's atmosphere, with the death of all of seven crew members, shortly before it was scheduled to conclude its 28th mission, STS-107. Just 16 minutes before landing, the space shuttle burnt and disintegrated, killing all on board. This accident was believed to be caused by a damaged aluminium heat-insulating tile on the left wing of the shuttle. This caused the whole body of the shuttle to heat up, eventually burning it. [SOURCE : [https://en.wikipedia.org/wiki/Kalpana\\_Chawla](https://en.wikipedia.org/wiki/Kalpana_Chawla)]

Kalpana\_Chawla]

## LATEST COMPUTER TECHNOLOGY

### The Future of Mobile Phones

#### Use Any Phone on Any Wireless Network

The reason most cell phones are so cheap is that wireless carriers subsidize them so you'll sign a long-term contract. Open access could change the economics of the mobile phone (and mobile data) business dramatically as the walls preventing certain devices from working on certain networks come down. We could also see a rapid proliferation of cell phone models, with smaller companies becoming better able to make headway into formerly closed phone markets.

What is it? Two years is an eternity in the cellular world. The original iPhone was announced, introduced, and discontinued in less than that time, yet carriers routinely ask you to sign up for two-year contracts if you want access to their discounted phones. (It could be worse--in other countries, three years is normal.) Verizon launched the first volley late last year when it promised that "any device, any application" would soon be allowed on its famously closed network. Meanwhile, AT&T and T-Mobile like to note that their GSM networks have long been "open." When is it coming? Open access is partially here: You can use almost any unlocked GSM handset on AT&T or T-Mobile today, and Verizon Wireless began certifying third-party devices for its network in July (though to date the company has approved only two products). But the future isn't quite so rosy, as Verizon is dragging its feet a bit on the legal requirement that it keep its newly acquired 700-MHz network open to other devices, a mandate that the FCC agreed to after substantial lobbying by Google. Some experts have argued that the FCC provisions aren't wholly enforceable. However, we won't really know how "open" is defined until the new network begins rolling out, a debut slated for 2010.

#### Your Fingers Do Even More Walking

Last year Microsoft introduced Surface, a table with a built-in monitor and touch screen; many industry watchers have seen it as a bellwether for touch-sensitive computing embedded into every device imaginable. Surface is a neat trick, but the reality of touch devices may be driven by something entirely different and more accessible: the Apple iPhone.

What is it? With the iPhone, "multitouch" technology (which lets you use more than one finger to perform specific actions) reinvented what we knew about the humble touchpad. Tracing a single finger on most touchpads looks positively simian next to some of the tricks you can do with two or more digits. Since the iPhone's launch, multitouch has found its way into numerous mainstream devices, including the Asus Eee PC 900 and a Dell Latitude tablet PC. Now all eyes are turned back to Apple, to see how it will further adapt multitouch (which it has already brought to its laptops' touchpads). Patents that Apple has filed for a multitouch tablet PC have many people expecting the company to dive into this neglected market, finally bringing tablets into the mainstream and possibly sparking explosive growth in the category.

When is it coming? It's not a question of when Multitouch will arrive, but how quickly the trend will grow. Fewer than 200,000 touch-screen devices were shipped in 2006. iSuppli analysts have estimated that a whopping 833 million will be sold in 2013. The real guessing game is figuring out when the old "single-touch" pads become obsolete, possibly taking physical keyboards along with them

in many devices.

Log in to your airline's Web site. Check in. Print out your boarding pass. Hope you don't lose it. Hand the crumpled pass to a TSA security agent and pray you don't get pulled aside for a pat-down search. When you're ready to fly home, wait in line at the airport because you lacked access to a printer in your hotel room. Can't we come up with a better way?

What is it? The idea of the paperless office has been with us since Bill Gates was in short pants, but no matter how sophisticated your OS or your use of digital files in lieu of printouts might be, they're of no help once you leave your desk. People need printouts of maps, receipts, and instructions when a computer just isn't convenient. PDAs failed to fill that need, so coming to the rescue are their replacements: cell phones.

Applications to eliminate the need for a printout in nearly any situation are flooding the market. Cellfire offers mobile coupons you can pull up on your phone and show to a clerk; Tickets.com now makes digital concert passes available via cell phone through its Tickets@Phone service. The final frontier, though, remains the airline boarding pass, which has resisted this next paperless step since the advent of Web-based check-in.

When is it coming? Some cell-phone apps that replace paper are here now (just look at the ones for the iPhone), and even paperless boarding passes are creeping forward. Continental has been experimenting with a cell-phone check-in system that lets you show an encrypted, 2D bar code on your phone to a TSA agent in lieu of a paper boarding pass. The agent scans the bar code with an ordinary scanner, and you're on your way. Introduced at the Houston Intercontinental Airport, the pilot project became permanent earlier this year, and Continental rolled it out in three other airports in 2008. The company promises more airports to come. (Quantas will be doing something similar early next year.)

Where You At? Ask Your Phone, Not Your FriendGPS is taking off, as phone makers, carriers, and service providers have realized that consumers generally have no idea where they are, ever. A location-based service (LBS) takes raw GPS data that pinpoints your location and enhances this information with additional services, from suggesting nearby restaurants to specifying the whereabouts of your friends.

What is it? LBS was originally envisioned as simply using old-school cell-phone signal triangulation to locate users' whereabouts, but as the chips become more common and more sophisticated, GPS is proving to be not only handy and accurate but also the basis for new services. Many startups have formed around location-based services. Want a date? Never mind who's compatible; who's nearby? MeetMoi can find them. Need to get a dozen people all in one place? Both Whrrl and uLocate's Buddy Beacon tell you where your friends are in real time.

Of course, not everyone is thrilled about LBS: Worries about surreptitious tracking or stalking are commonplace, as is the possibility of a flood of spam messages being delivered to your phone.

[SOURCE : <http://www.pcworld.com/article/152683/tech-events-dupe/tech.html?page=6#12>]

## CRITICAL THINKING FEB - MAR 2017

Critical thinking is a general term that covers all



thinking processes that strive to get below the surface of something: questioning, probing, analyzing, testing and exploring. To think critically is never to take something on 'face value' but to question and think independently about an issue, however 'authoritative' a writer or thinker may be. Recently, critical thinking as one of several learning and innovation skills necessary to prepare students for post-secondary education and the workforce has been identified in the 21st century. That's why NGCCA started 'Critical Thinking' activity for all students as a part of curriculum with the guidance of Shri A U Patel Sir (Chief Advisor and Trust Mentor, Vidyabhavan Trust). Students participate and do well. Students can now understand what is interpretation, what is analysis, what is inference, what is evaluation, what is explanation, what is self regulation etc.

## MOTIVATIONAL LECTURE MR. RICHARD 27 FEB 2017

NGCCA have organized lecture on "Motivation" on 27th Feb 2017. Wellknow Motivational Trainer Mr. Richard delivered a lecture with proper example. He covered following topics:

- + Why we need motivation?
- + Benefit for motivation.
- + How to cooperate each other etc.



**APPTITUDE TEST (Placement)  
L J SOFTWARE FACTORY  
9TH MARCH 2017**



NGCCA has organized Aptitude Test for leading IT company in our campus for Sem 6 students. 72 students participate in the examination and 18 students are selected for final round.

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**OUTSIDE THE CAMPUS  
INTER COLLEGE COMPUTER QUIZ  
27th February 2017**

LDRP engineering college, Gandhinagar was organize Inter College Computer Quiz 2017 at Gandhinagar on 27th Feb 2017. 3 team of NGCCA participate in BCA/MSC IT/MCA level Quiz. Total 30 team participate. Our 1 team secure 1st rank. Congratulations all participants.



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**UPSC SEMINAR  
10th MARCH 2017**

NGCCA has arranged seminar for students on UPSC Examination on 10th March 2017. Expert was delivered powerpoint presentation and explain each and every topic with proper example. Some points discussed by Dr. Khyati are as below:

- + Why UPSC
- + How to prepare yourself for examination
- + How to gethered information etc.



**YOGA MEDITATION  
28TH FEB and 1 MARCH 2017**

NGCCA has arranged seminar for students for Yoga - Meditation. Ms. Shyama and Mr. Sumit from Gujarat Vidyapeeth came and discuss about the importance of yoga and meditation in daily life. They also display live demo too.



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**SAHID DIN  
30th JAN 2017**

NGCCA celebrate Shahid Din on 30th January 2017. More than 50 students were participate in Elocution Competition regarding Sahid Din.



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**GUEST LECTURE  
MR. HARSHAD PARMAR (TCS)**

NGCCA was arranged one guest lecture for Semester 6 students from TCS, Mr. Harshad Parmar. He share their experience with students. He also share few tips regarding interview process in TCS.



## WELLKNOWN TECHNOCRATS

### MR. AMIT PANCHAL AT NGCCA CAMPUS

Allumni students Mr. Amit Panchal, a wellknown technocrats of India visited NGCCA campus, and he talk with students for NGCCA environment, and its faculty. He share their views and appreciate the activity and academic calander. He also discuss about new technology and how useful in job and daily life.



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### PRIN. M. C. SHAH COMMERCE COLLEGE ORGANIZED

#### PARIKH ZALA ELOCUTION COMPETITION

Prin. M. C. Shah Commerce College organized Parikh Zala Elocution Competition. 2 students (Shyam and Devanshi) of NGCCA were participate.



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### NEW EXAM PATTERN OF COMPETITIVE EXAM FOR GOVERNMENT DEPARTMENT

#### What is GujSeva?

GujSeva/ Pre recruitment Eligibility Test is to benchmark candidates against a common standard via pre-recruitment examination for determining eligibility to appear/apply for recruitment of different posts under Government. Now, this score will become a base for determining eligibility to appear/apply to recruitments undertaken by GPSC / Gujarat Subordinate Services Selection Board or by departments.

#### Why PrET?

In absence of benchmark providing levelled assessment of competence of candidate, every candidate tries to aspire for all available opportunities & for applicants, it adds to additional stress in preparing for multiple screening exams. PrET shall bring down this stress to applying only for the examinations the candidate is a perfect fit for and getting relieved from all the preparations done for rest of the examinations.

#### How it works?

The candidate, irrespective of his current level of education will create his profile in the PRET including his educational qualifications and experiences. From the PRET the candidate will be able to apply to 2 kinds of exam opportunities, i.e. (1) Standardized PRET Test and (2) various recruitment exams to positions under the Government.

In so far as recruitment to positions under the Government is concerned, all such vacancy positions will be notified on the PRET website and the application process will also be available online. Further instruction as to the qualifying criteria, number of positions, applicable Recruitment Rules, Exam Centers and important dates, etc. will be available online.

For the Standardized PRET Test, the candidate, after creating the profile, will be able to apply the test, make payment of fee for the test either by himself or by taking help in other registered user in the PRET, choose the exam center online, print admit card online and take mock preparation tests for the feel of the examination. The candidate after logging in will be able to see his profile information and his standing amongst the peer group on his Dash Board. The Dash Board will also inform him the up-coming vacancies, various notifications and the calendar indicating schedule of various examinations notified. PRET is also available on mobile platform with built-in features of push notification. This will ensure that a candidate is reminded of every up-coming events in the PRET.

#### Advantages of PrET

PRET is centered on assessing the optimal developmental potential of the youth to provide right employment opportunity. PRET brings with standardization in the process while the process of normalization across various exam cycles ensure that assessment of the candidate against the total human resource pool of that period is relevant and correct.

PRET will be conducted every week and candidates will be allowed multiple attempts to realize their best potential, of course with a cooling-off period of 3 months till the satisfaction of the candidate. Once the candidate has attained his optimal potential, the score will be valid for a period of 3 years during which the candidate will be able to apply for all up-coming examinations, depending on his score level.

To prepare that youth for the new generation of technological adaptation in the examination/recruitment process, online mock test will allow the candidate multiple opportunities to get the feel of computerized assessment, which would be an added advantage for the youth from rural areas or from weaker sections, enabling them to score better in other recruitments conducted by Banking Service Recruitment Boards/Railway Recruitment Board and other recruitment examinations. The candidate will maintain his account with PRET, which will be dynamic in nature. Thus, the PRET platform will have the potential of serving the private sector also in its need for competent youth with specific skill sets.