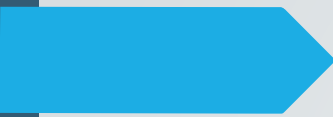**NATIONAL TECHNOLOGY DAY**

MAY 11, 2020

Prepared by First Year MCA Students
Compiled by – Ms Niha Dingankar Assistant Professor
and
Dr Anita Chaware,
Head PG Department Of Computer Science, SNDT WU

- National Technology Day is celebrated on 11 May across India. This day marks the successfully tested Shakti-I nuclear missile at the Indian Army's Pokhran Test Range in Rajasthan. This day will be focusing on rebooting the economy through Science and Technology.

- Shakti also knows as the Pokhran Nuclear Test was the first nuclear test code-named 'Smiling Buddha' was carried out in May 1974.

- This operation was administered by late president and aerospace engineer Dr APJ Abdul Kalam Kalam when Atal Bihari Vajpayee was the Prime Minister.

The students of Post Graduate Department Of Computer Science,SNDT University have prepared a list of Computer Scientists from Maharashtra and Orissa.

The song which is played in the background is Jayostute Shree Mahanmangale With Original Lyrics by Shree Veer Savarkar Sung By Lata Mangeshkar



Chhatrapati Shivaji Maharaj



Mukteswar Temple,Odisha

**Aravind Joshi**

**Born:** 5 August 1929 - 31 December 2017

Aravind Krishna Joshi was the Henry Salvatori Professor of Computer and Cognitive Science in the computer science department of the University of Pennsylvania. Joshi defined the tree-adjoining grammar formalism which is often used in computational linguistics and natural language processing.
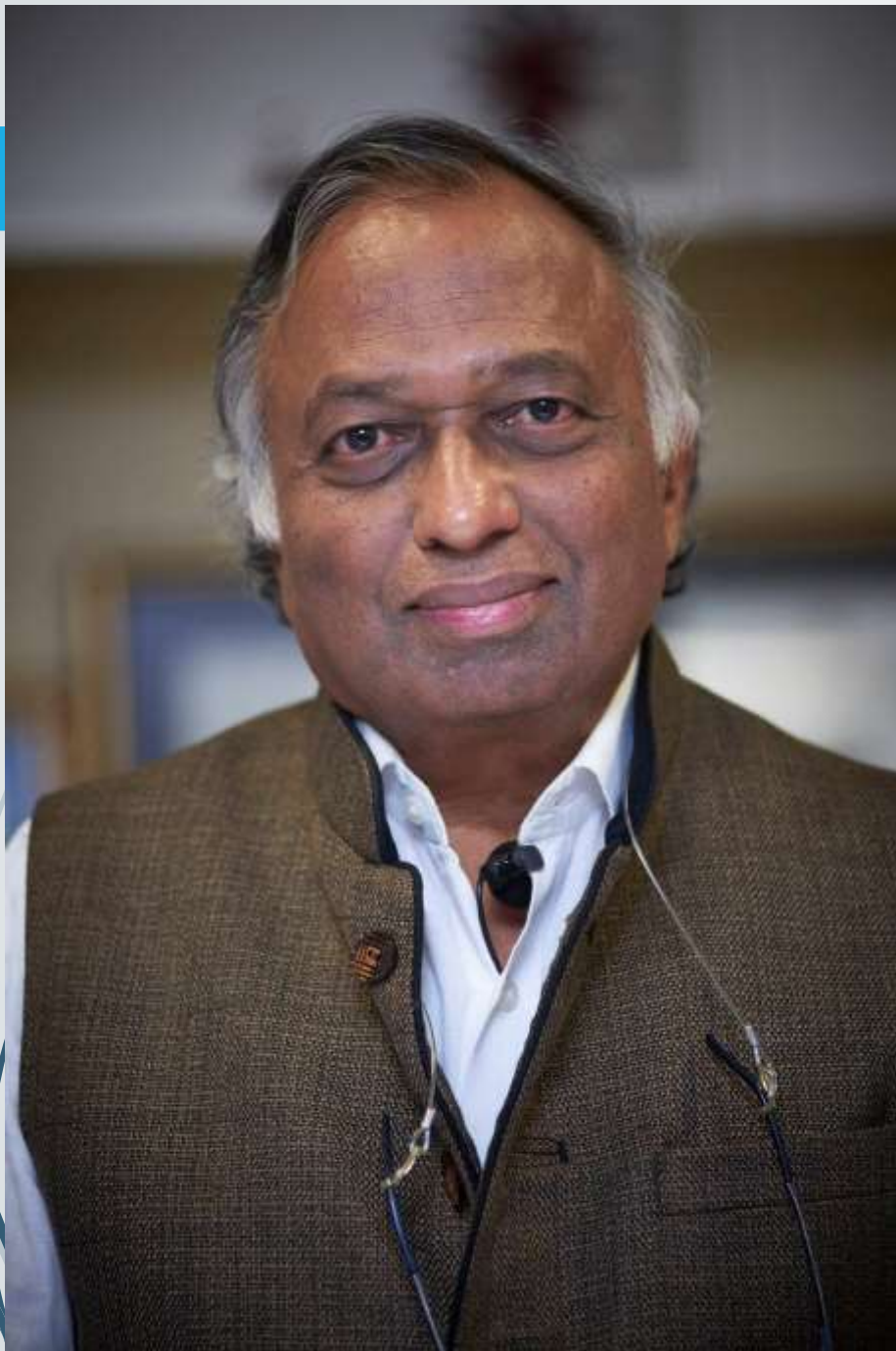
**Awards:**

Guggenheim fellow, 1971–72

Fellow of the Institute of Electrical and Electronics Engineers (IEEE), 1976

Founding Fellow of the American Association for Artificial Intelligence (AAAI), 1990

Award Benjamin Franklin Medal

**Vijay P. Bhatkar**
**Born:** 11 October 1946,Mumbai,India
Vijay Pandurang Bhatkar is an Indian computer scientist, IT leader and educationalist. He is best known as the architect of India's national initiative in supercomputing where he led the development of Param supercomputers.

**Awards:**
Maharashtra Bhushan Award
Padma Bhushan (2015)
Padma Shri (2000)
Ramanuja Trust Award (2007)
FICCI Award (1983)
Petersburg Prize (2004)
Priyadarshini Award (2000)

**Yashavant Kanetkar**

**Born:** Nagpur, India

Yashavant Kanetkar is an Indian computer science author, known for his books on programming languages. He has authored several books on C, C++, VC++, C#, .NET, DirectX and COM programming. He is also a speaker on various technology subjects and is a regular columnist for Express Computers and Developer 2.0.

**Awards:**

He received the Microsoft Most Valuable Professional **award** for his work in programming from Microsoft for five consecutive years.

**Mathai Joseph**

**Born:** 2 January 1943 ,India

Mathai Joseph is a leading Indian computer scientist. Joseph studied for a BSc in physics at Wilson College and an MSc in the same subject at the University of Mumbai in 1964.

**Books :** Joseph, Mathai; Shyamasundar, R. K., eds. (1984). Foundations of Software Technology and Theoretical Computer Science, Fourth Conference, Bangalore, India, December 13–15, 1984, Proceedings. Joseph, Mathai, ed. (1988). Joseph, Mathai (2013). Digital Republic: India's rise to IT power.

**Ramesh C Jain**

**Born:** 8 June 1949 Nagpur,India

Ramesh Chandra Jain is a scientist and entrepreneur in the field of information and computer science. He is a Bren Professor in Information & Computer Sciences, Donald Bren School of Information and Computer Sciences, University of California, Irvine.

**Achievements:**

He is commonly referred to as 'Father of Multimedia Computing'.
Editor-in-Chief of IEEE MultiMedia magazine and the Machine Vision and Applications journal. He still serves on the editorial boards of several journals.

**T. V. Raman**

**Born:** 4 May 1965,Pune,India

T. V. Raman is a computer scientist who specializes in accessibility research. His research interests are primarily in the areas of auditory user interfaces and structured electronic documents.

**Awards:**

ACM Doctoral Dissertation Award, 1994.

Intel Graduate Fellowship Intel Corporation, CA 1992.

Graduate Fellowship Cornell University, 1989.

President's Silver Medal Indian Institute of Technology, Bombay, 1989.

Sir Ness Wadia Gold Medal, 1984.

**Rahul Thakkar**
**Born:** United Kingdom
Rahul Chandrakant Thakkar is an Indian-American software inventor who was one of the 33 recipients of Academy Award for scientific and technical achievement in 2016.

**Awards:**
Thakkar won the Academy Award for creating the "**groundbreaking** design" of DreamWorks Animation Media Review.
At the same time, Thakkar's interest in mathematics and science remained predominant.

**Sulabha K. Kulkarni**

**Born:** 1 June 1949,Maharashtra,India
Sulabha Kashinath Kulkarni is an Indian physicist, whose research spans the areas of Nanotechnology, Materials Science, and Surface Science. She is currently a visiting faculty member at Indian Institute of Science Education and Research, Pune, India.

**Awards:**
Associate Editor, Journal of Nanophotonics (2011- )
Fellow (FNA), Indian National Science Academy (New Delhi) (2011- )
Bharatiya Stree Shakti "Women and Technological Innovation National Award (2007)

**Sartaj Sahni**
**Born:** 22 July 1949, Pune, India

Professor Sartaj Kumar Sahni is a computer scientist based in the United States, and is one of the pioneers in the field of data structures. He is a distinguished professor in the Department of Computer and Information Science and Engineering at the University of Florida.

**Awards:**

IEEE meritorious service certificate, 1995. Fellow, American Association for the Advancement of Science (AAAS), Oct. 1995. Distinguished Alumnus Award, Indian Institute of Technology, Kanpur in recognition of his outstanding and seminal contributions in the field of Computer Science and Engineering", 2001.

**Avinash Kak**
**Born:** Srinagar,India
Avinash C. Kak is a professor of Electrical and Computer Engineering at Purdue University who has conducted pioneering research in several areas of information processing. His most noteworthy contributions deal with algorithms, languages, and systems related to networks, robotics, and computer vision. He joined the faculty of **Purdue University** in 1971.

**Achievements:**
He is one of the top 1000 Scientists

**Prakash Panangaden**
**Born:** Pune,India
Prakash Panangaden is an American/Canadian computer scientist noted for his research in programming languages, concurrency theory, Markov processes and duality theory. Earlier he worked on quantum field theory in curved space-time and radiation from black holes.

**Awards:**
LICS Test-of-Time Award (2017), Fellow of the Royal Society of Canada (2013), Leo Yaffe Award for Outstanding Teaching (1999).
In 1999 he was awarded the Leo Yaffe Award by the Faculty of Science of McGill University for excellence in teaching

**Amar Gupta**
**Born:** 1953 Nadiad, Gujarat, India
Amar Gupta is a computer scientist, originally from Gujarat, India and now based in the United States.

**Awards:**
In 1980, **Gupta** received Master of Science in Management from MIT School of Management. His thesis was **awarded** in Brooks Prize Honorable Mention. In the same year, he received Doctorate of Philosophy in Computer Science from Indian Institute of Technology, Delhi for his PhD research performed at MIT.

**Shiva Ayyadurai**
**Born:** 2 December 1963 Mumbai,India
V. A. Shiva Ayyadurai is an Indian-American scientist, engineer, entrepreneur, and promoter of conspiracy theories and unfounded medical claims.

**Achievements:**
In 1994, Ayyadurai founded a company called Millennium Cybernetics, which produces email management software originally called Xiva and now called EchoMail.
In 2009, Ayyadurai was hired by India's Council of Scientific and Industrial Research (CSIR), India's largest science agency, by its director general, Samir K. Brahmachari.

**Sunita Sarawagi**
**Born:** Mumbai,India
Prof. Sunita Sarawagi's research is based on the development of fundamental principles and has had profound practical impact.
**She works at:**
Institute Chair Professor Computer Science and Engineering IIT Bombay

**Awards:**
Prof **Sunita Sarawagi awarded** the Infosys **Prize**. Professor **Sunita Sarawagi** of the Computer Science Department, IIT Bombay, has been **awarded** the prestigious Infosys **prize.**

**Viral B. Shah**
**Born:** Mumbai,India
Viral B Shah is an Indian computer scientist, best known for being a co-creator of the Julia programming language. As of 2017 he is the CEO of Julia Computing, which he co-founded with Alan Edelman, Jeff Bezanson

**Awards:**
In 2013, he received The Spatial Ecology and Telemetry Working Group (SETWG) award for co-creating Circuitscape with Brad McRae.
In 2019, he was awarded the J. H. Wilkinson Prize for Numerical Software, for his work on the Julia Programming Language.

**Divya Jain**
**Born:** Roorkee, India
Divya Jain is a software engineer and entrepreneur. Jain has been called a "data doyenne" by Fortune. She is currently the Data Analysis Engineer at Box Data.

**Awards:**
The Best Institute-Innovation 2015 – 2016
The Best Institute Innovation of The Year At ASSOCHAM 2016
The Best Vocational Education of The Year At 5th Indian Education Awards 2015
Specially designed training center for specially abled people in Chhapra.

**Sunil Khandbahale**

**Born:** 1 June 1978,Nashik,India

Sunil Shivaji Khandbahale is a MIT Sloan Fellow, Innovator and Entrepreneur from Nashik, India.

He is best known as a founder and CEO of KHANDBAHALE.COM, a free multilingual digital dictionary and translation platform for 23 languages, with a vocabulary of 10 million words and phrases.

**Awards:**

Best entrepreneur of the year "Yashokirti Award", from the Computer Society of India.

Best Local Language Website Award from the Internet and Mobile Association of India.

# Subhash Khot

**Born:** 10 June 1978 Ichalkaranji, India

Subhash Khot FRS is an Indian-American mathematician and theoretical computer scientist who is the Julius Silver Professor of Computer Science in the Courant Institute of Mathematical Sciences at New York University.

## Achievements:

Khot is a two time silver medalist representing India at the International Mathematical Olympiad in the years 1994 and 1995.

In 1995, Khot topped the prestigious Indian Institute of Technology Joint Entrance Examination. In 2005, he received the Microsoft Research New Faculty Fellowship Award

**Pranav Mistry**

**Born:** 14 May 1981 Palanpur,India

Pranav Mistry is a computer scientist and inventor. He is the President and CEO of Samsung STAR Labs since October 2019. He is best known for his work on Sixth Sense, Samsung Galaxy Gear and Project Beyond.

**Awards:**

Young Global Leader 2013 Award, World Economic Forum,50 Most Creative People of the Year 2010, CREATIVITY 50

TR35 2009 award, Technology Review Invention of the Year 2009 award, Popular Science Nominee for Forbes India's Person of the Year 2009.

**Moses Charikar**

**Born:** Mumbai,India

Moses Samson Charikar is an Indian computer scientist who works as a professor at Stanford University. The topics of his research include approximation algorithms, streaming algorithms, and metric embeddings.

**Awards:**

In 2012 he was awarded the Paris Kanellakis Award along with Andrei Broder and Piotr Indyk for their research on locality-sensitive hashing.

Paris Kanellakis Theory and Practice Award, ACM (2012)Simons Investigator in Theoretical Computer Science.

10 year best paper award, VLDB (2017)

**Ruchi Sanghvi**

**Born:** 20 January 1982 Pune,India

Ruchi Sanghvi is an Indian computer engineer. She was the first female engineer hired by Facebook. In late 2010, she quit Facebook and in 2011, she started her own company Cove, with two other co-founders. The company was sold to Dropbox in 2012 and Sanghvi joined Dropbox as VP of Operations.

**Awards:**

Sanghvi was awarded a TechFellow "Best Engineering Leadership Award" in 2011 for her work at Facebook.

In 2018, Sanghvi was a keynote speaker for HackMIT

**Balsing Rajput**

**Born:** December 13, 1988

Balsing is a serving Police officer in Maharashtra State with, Speaker, Researcher and Technology evangelist. Ph.D from Tata Institute Of Social Sciences, Mumbai in Cyber Economic Crimes. He holds a Postgraduate Degree in Agriculture Engineering (M Tech). He has strategic and technical expertise in the field of cybersecurity of critical infrastructures, Government Information Systems, and Cyber defense

He is presently working on development of integrated cyber security environment for Maharashtra state through Maharashtra Cyber Security Project.

**Prafulla Kumar Jena**

**Born:** 27 December 1931,Odissa,India

Prafulla Kumar Jena is an Indian metallurgist and a former director of the National Institute for Interdisciplinary Science and Technology of the Council for Scientific and Industrial Research, Bhubaneshwar.

**Awards:**

Jena received the civilian honour of Padma Shri from the Government of India in 1977.

Jena is an elected fellow of the Indian Academy of Sciences and the Institution of Engineers, India and a fellow of the Indian Institute of Metals.

He is a life member and former president of the Indian Science Congress Association.

**Sudhira Das**

**Born:** 8 March 1932 - 30 October 2015

Sudhira Das was an Indian engineer. She was the first female engineer from the state of Odisha. She became an engineer at a time when education was a taboo for women in India.

**Work:**

After graduating with her MSc. (Tech), Das started teaching at the Berhampur Engineering School as a lecturer in the department of Mathematics in 1957. During 1957-1990, she served the Government of Odisha in various different capacities.

**Projects:** Establishment of Women's Polytechnic, Bhubaneswar

**P. V. S. Rao**
**Born:** 17 July 1936, Brahmapur,India
Paranandi Venkata Suryanarayana Rao is an Indian computer scientist, known for his researches in the fields of speech and script recognition and is credited with contributions for the development of TIFRAC, the first indigenously developed electronic computer in India.

**Awards:** Padma Shri
Vikram Sarabhai Award
Om Prakash Bhasin Award
VASVIK Industrial Research Award
Lifetime Achievement Award (CSI)
IEEE Millennium Medal

**B. L. Deekshatulu**
**Born:** 31 October 1936,Odisha,India
Bulusu Lakshmana Deekshatulu is an Indian academic who has made important contributions to Digital Image Processing and Control Theory.

**Awards:**
Padma Shri in 1991
NRDC invention awards 1986 and 1993
Bharata Ratna Sir M.Vishvesvaraya award in 1984
Bhaskara Award by ISRS India
Life Time Contribution Award from ACRS, Beijing in October 2009
ISRO Outstanding Achievement Award-2012 from the Indian Space Research Organization

**Amiya Pujari**
**Born:** 19 June 1948, Sambalpur,India
Dr. Amiya Kumar Pujari was an Indian computer scientist and information technology pioneer and leader.

**Awards:** Dr. A. K. Pujari Award at CIT.
The Amiya K. Pujari Award is given for the best paper of the CIT conference held each year. The Conference on Information Technology is an international conference and forum for research in the area of Information Technology.
Dr. A. K. Pujari Scholarship for best student in Science at DAV College Titilagarh

**Bhakta B. Rath**

**Born:** Banki ,India

Bhakta B. Rath is an India-born American material physicist and Head of the Materials Science and Component Technology of the United States Naval Research Laboratory, the corporate research laboratory for the United States Navy and the United States Marine Corps.

**Awards:** Padma Bhushan
Michigan Tech Distinguished Alumni Award
DOD Distinguished Civilian Service Award
Fred Saalfeld Award
Presidential Rank Award for Distinguished Executive
NRL Lifetime Achievement Award
Presidential Rank Award of Meritorious

**Tapan Misra**

**Born:** 1961 Rayagada,India

Tapan Misra is an Indian scientist who was the director of Space Applications Centre, Indian Space Research Organisation.

**Achievements:**

He received Vikram Sarabhai Research Award in 2004 and ISRO Merit award in 2008 for his contribution of development of SAR technology. He was elected as Fellow of Indian National Academy of Engineering in 2007. He was elected Corresponding Member of International Academy of Astronautics in 2008. He holds two granted patents, six pending patents. He has five copyrights and more than twenty five papers to his credit.

**Bhubaneswar Mishra**

**Born:** 9 November 1961

Bhubaneswar Mishra is an Indian American computer scientist and professor at the Courant Institute of Mathematical Sciences of New York University. He is known for his applied contributions to bioinformatics, cybersecurity, and computational finance.

**Awards:**

Mishra is a fellow of the Association for Computing Machinery (2007),of the IEEE (2009), and of the American Association for the Advancement of Science (2010).

**Saraju Mohanty**
**Born:** 1973,India
Saraju Mohanty is an American professor of the Department of Computer Science and Engineering, and the director of the Smart Electronic Systems Laboratory, at the University of North Texas in Denton, Texas.

**Awards:**
IEEE-CS-TCVLSI Distinguished Leadership Award in 2018
Glorious India Award in 2017
Society for Technical Communication (STC) Award of Merit in 2017
PROSE Award for best textbook in Physical Sciences & Mathematics in 2016
Toulouse Scholars Award from UNT in 2016-17