

**ONLINE COURSES OFFERED BY COURSERA****President's message on 2<sup>nd</sup> April, 2020.**

I am happy to inform you that SSN has been registered with Coursera. This registration gives the facility to faculty members, staff and students of SSN to enroll for free in the courses offered by Coursera. They can get a Certificate after completing the course without requirement of fee payment under this registration. I have attached the letter from Coursera along with their learning guide giving details of the courses offered. 450 SSN students have already been enrolled.

The system administrators are:

1. Dr. N. Bhalaji - [bhalajin@ssn.edu.in](mailto:bhalajin@ssn.edu.in)
2. Dr. T. Shanmugapriya - [shanmugapriyat@ssn.edu.in](mailto:shanmugapriyat@ssn.edu.in)

You can contact the system administrators if you need any assistance in enrollment.

I request all of you to make best use of this unique opportunity and encourage your department students and faculty to enroll. The non-teaching staff also can enroll in relevant courses. The free enrollment is open till July. However, the enrolled students are given time till September to complete the course and get the Certificate.



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*Based on President's message, the available courses were scanned and a set of preferable courses for faculty and students were shortlisted by VeA and circulated to all concerned.*

**Select list of free online courses from Coursera for Faculty:****Understanding student behaviour**

- Negotiating Learner Differences: Towards Productive Diversity in Learning-**University of Illinois**
- Foundations of Teaching for Learning: Learners and Learning- **Commonwealth education trust**
- Foundations of Teaching for Learning: Being a Teacher-**Commonwealth education trust**
- Teacher SEL: Programs, Possibilities, and Contexts-**University of Colorado**
- University Teaching-**University of Hong Kong**

### **On-line teaching**

- Communication Strategies for a Virtual Age-**University of Toronto**
- Learning to Teach Online-**UNSW, Australia**
- e-Learning Ecologies: Innovative Approaches to Teaching and Learning for the Digital Age-**University of Illinois**

### **Coaching / Mentoring**

- Giving Helpful Feedback-**University of Colorado**
- Influencing People-**University of Michigan**

### **Self-Development**

- The Science of Success: What Researchers Know that You Should Know-**University of Michigan**
- Professional development: Improve yourself, always-**University of Macquarie**
- Introduction to Psychology-**University of Yale**

### **Select list of free online courses from Coursera for Students:**

#### **Learning**

- Learning How to Learn: Powerful mental tools to help you master tough subjects-**Mc Master University**
- Mindshift: Break Through Obstacles to Learning and Discover Your Hidden Potential-**Mc Master University**

#### **Innovation**

- Design Thinking for the Greater Good: Innovation in the Social Sector-**University of Virginia**
- Design Thinking for Innovation- **HEC, Paris**
- Design Thinking-**HEC, Paris**
- Innovation Through Design: Think, Make, Break, Repeat-**University of Sydney**

#### **Communication**

- Communication Skills for Engineers-**3 course specialization Rice University**

#### **Project skills**

- Six Sigma Principles-**University system of Georgia**

#### **Life Long Learning**

- Exploring Emerging Technologies for Lifelong Learning and Success-**State University of New York**
- Introduction to Learning Transfer and Life Long Learning (3L)-**UCI division of continuing education**

#### **Problem Solving Skill**

- Problem-Solving Skills for University Success-**University of Sydney**
- Solving Complex Problems Capstone- **Macquarie University**
- Evaluating Problems- **Macquarie University**

### Social Skills

- Converting Challenges into Opportunities-**UC San Diego**
- Teamwork Skills: Communicating Effectively in Groups-**University of Colorado**
- Becoming a changemaker: Introduction to Social Innovation-**University of Capetown**

### Intellectual Property

- Protecting Business Innovations via Patent- **Hong Kong University of Sc and Technology**
- Protecting Business Innovations via Copyright- **Hong Kong University of Sc and Technology**
- Protecting Business Innovations via Trademark- **Hong Kong University of Sc and Technology**

All were requested to register. The outcomes are as in lists that follow...

#### 1.Data on Coursera courses registered by faculty:

Name of the Faculty	Course title	University	Status (ongoing/Completed)
Dr VE.Annamalai	Design Thinking for Innovation	University of Virginia	5 week course, completed
Dr N. Nallusamy	Giving Helpful Feedback	University of Colorado Boulder	5 week course, ongoing
Dr S.R.Koteswara Rao	The 3D Printing Revolution	University of Illinois at Urbana- Champaign	2 weeks, Ongoing
Dr S.Vijayan	Supply Chain Management: A Learning Perspective	Korea Advanced Institute of Science and Technology	10 Weeks Course, Ongoing
Dr N. Lakshmi Narasimhan	Introduction to the Internet of Things and Embedded Systems	University of California, Irvine	4 Week course, Ongoing
Dr N. Lakshmi Narasimhan	Introduction to Artificial Intelligence	IBM	4 Weeks Course, Ongoing
Dr K.S.Vijay Sekar	The Science of Well Being	Yale University	10 week, Ongoing
Dr K..S.Vijay Sekar	Machine Learning	Stanford University	11 week, Ongoing
Dr Anand Ronald. B	The 3D Printing Revolution	University of Illinois at Urbana- Champaign	2 weeks, ongoing
Dr K Babu	Excel Skills for Business: Essentials!	Macquarie University	6 week, Ongoing
Dr K Babu	Advanced Manufacturing Process Analysis	University at Buffalo	3 week, Ongoing

Dr M.Selvaraj	Initiating and planning Projects	University of California	6 weeks, on going
Dr K. S. Jayakumar	Social Psychology	Wesleyan University	7 Week Course, Ongoing
Dr M. Suresh	Positive Psychology	University of North Carolina	6 weeks course, Started on April 25. Ends on June 8.
Dr Alphin M S	Excel Skills for Business	Macquarie University	4 Weeks course, Ongoing
Dr A K. Lakshminarayanan	Creating Toolpaths for a CNC Lathe	AUTODESK, California, US	4 weeks ongoing
Dr A. K. Lakshminarayanan	Fundamentals of Fluid Power	University of Minnesota	6 weeks ongoing
Dr S Suresh Kumar	Design Thinking for the Social Sector	University of Virginia	4 weeks course - ongoing
Dr K.Rajkumar	Advanced Manufacturing Process Analysis	University at Buffalo & The State University of New York	3 Week Course, Ongoing
Dr D.Ananthapadmanaban	Introduction to Psychology	Yale University	
Dr S Rajkumar	Professional development: Improve yourself, always	Macquarie University	8 Week course, Ongoing
Dr R Prakash	AI for Everyone	deeplearning.ai	4 weeks, ongoing
Dr S. Soma Sundaram	Understanding Clinical Research: Behind the Statistics	University of Cape Town	6 week course, ongoing
Dr A.S.Ramana	Green Building & Renewable Energy Entrepreneurship	Duke University	3 Weeks Course, Ongoing
Dr M.Nalla Mohamed	Creative thinking: Techniques and Tools for Success	Imperial College London	7 Weeks course, Ongoing
Dr M. Dhananchezian	Fundamentals of Fluid Power	University of Minnesota	6 weeks, Ongoing
Dr Satheesh Kumar Gopal	Introduction to Applied Machine Learning	Alberta Machine Intelligence Institute, University of Alberta	4 week, starting from 1st week on May
Dr Damodaram R	The 3D Printing Revolution	University of Illinois at Urbana- Champaign	2 weeks, ongoing
Dr K. Jayakumar	Introduction to Mechanical Engineering Design and Manufacturing with Fusion 360	AUTODESK, California, US	4 Week Course, Ongoing

Dr L. Poovazhagan	Let's talk about COVID-19	Imperial College London & J-IDEA	8 Week course, Ongoing
Dr G Selvakumar	Influencing People	University of Michigan	4 Week Course, Ongoing
Dr KL. Harikrishna	Data Science	Johns Hopkins University	4 Week Course, Ongoing
Dr Vimal Sam Singh R	Introduction and Programing with IOT Boards	Pohang University of Science and Technology	5 weeks course , ongoing
Mr Ebenezer D	Speak English Professionally: In Person, Online & On the Phone	Georgia Institute of Technology	5 Weeks course, Ongoing
Mr B. Jayakishan	Introduction to Self-driving Cars	University of Toronto	7 week Course, Ongoing
Mr Arun Prakash C	Positive Psychiatry and Mental Health	The University of Sydney	5 weeks course, ongoing

## 2.Data on Coursera courses registered by students:

Name	Sem	Sec	Course Title	University
Ashwin A	IV	A	Machine Learning	University of Washington
Cynthia Joy	IV	A	Introduction to the Internet of Things and Embedded Systems Fundamentals of Graphic Design	University of California,Irvine California Institute of the Arts
Aditya K	IV	A	Introduction to Psychology	Yale University
Gautam R	IV	A	Introduction to Internet of things and Embedded Systems The Arduino Platform and C Programming Interfacing with the Arduino	University of California,Irvine University of California,Irvine University of California,Irvine University of Toronto
Karthik R	IV	A	Self Driving Cars Specialization	University of Toronto
Anushka Prasad	IV	A	Introduction to internet of things and embedded systems Python for Everbody	University of California,Irvine
S Aravind Ram	IV	A	Introduction to programming with Matlab	Vanderbilt University
Isaac Solomon V	IV	A	Machine Learning for All	University of London
D S Balaji Adithya	IV	A	Introduction to the Internet of Things and Embedded Systems Microeconomic Principles	University of California,Irvine University of Illinois Urbana Champaign
Akshaya.R	IV	A	Introduction to the internet of things and embedded systems The Arduino platform and C Programming Interfacing with the Arduino Six Sigma Principles Excel Skills for Business : Essentials	University of California,Irvine University of California,Irvine University of California,Irvine University system of Georgia Macquarie University

GUNDEPUDI V SURYA SASHANK	IV	A	<p>1.Introduction to Portfolio Construction and Analysis with Python</p> <p>2.Advanced Portfolio Construction and Analysis with Python</p> <p>3.Python and Machine Learning for Asset Management</p> <p>4.Python Machine Learning for Asset Management with Alternative Data Sets</p> <p>5.Neural Networks and Deep Learning</p> <p>Improving deep Neural Networks:</p> <p>6.Hyperparameter, Tuning Regularization and Optimisation</p> <p>7.Structuring Machine Learning Projects</p> <p>8.Convolutional Neural Networks</p> <p>9.Sequence Models</p> <p>10.Discrete Math and Analysing Social Graph</p> <p>11.Calculus and Optimisation for Machine Learning</p> <p>12.First Steps in Linear Algebra for Machine Learning</p> <p>13.Probability theory, Statistics and Exploratory Data Analysis</p> <p>14.Learn how to learn. Powerful mental tools to help you master tough subjects</p>	<p>EDHEC BUSINESS SCHOOL</p> <p><a href="https://www.deeplearning.ai">deeplearning.ai</a></p> <p>National Research University Higher School of economics</p> <p>McMaster university</p>
Dhilip K.M.	IV	A	CAD and Digital Manufacturing Specialization Introduction to programming with Matlab	Autodesk Vanderbilt University
S.Muhilan	IV	B	Microeconomic Principles	University of Illinois Urbana-Champaign
Rajameenakshi M	IV	B	Introduction to Psychology	Yale University
Mohanraj.A	IV	B	Introduction to Psychology Learning How to Learn	Yale University McMaster University
MOHAN MURALEESWARAN	IV	B	Self Driving Cars Specialization	University of Toronto
Nithish kumar R S	IV	B	Science of Exercise Introduction to forensic science Introduction to psychology	University of Colorado boulder Nanyang Technological University, Singapore Yale university
Malarmathi.E	IV	B	Design Thinking for Innovation Python for Everybody Guitar for Beginners	University of Virginia University of Michigan Berklee College of Music
Sai Charen V	IV	C	The Data Scientist's Toolbox Mathematics for Machine Learning: Linear Algebra English for Career Development	Johns Hopkins University Imperial College London University of Pennsylvania
Sam Sherin Raj.S	IV	C	Self Driving Cars Specialization Python for Everybody Specialization	University of Toronto University of Michigan

Sangeeth R	IV	C	Financial Markets	Yale University
Srinath Venkatesh	IV	C	Supply chain management	Rutgers Business School
Vimal Kumar Bharathi B R	IV	C	Classical Cryptosystems and Core Concepts	University of Colorado System
Sneha S	IV	C	Financial Markets Introduction to Psychology Excel Skills for Business: essentials	Yale university Yale University Macquarie University
Saravanan T	IV	C	Digital Manufacturing & Design	University at Buffalo
Venkatram R	IV	C	Digital Manufacturing & Design	University at Buffalo
Sai Kishore K R	IV	C	Design Thinking for Innovation Python for Everybody	University of Virginia University of Michigan
Rishab M	IV	C	Design thinking for innovation	University of Virginia
Tharun VS	IV	C	Ecology: Ecosystem Dynamics and Conservation	
S Karthik Krishnan	VI	A	Data Science Specialisation	IBM (Coursera)
Achyuth Ramachandran	VI	A	Python for Everybody Specialization Applied Data Science with Python Specialization Digital Manufacturing and Design Specialization Introduction to Basic Vibrations Introduction to Programming with MATLAB	University of Michigan University of Michigan University at Buffalo, State University of New York Korea Advanced Institute of Science and Technology Vanderbilt University
Dhakshinamoorthi M	VI	A	Mechanics of Materials I	
AJAY KANNAN A K	VI	A	Digital Manufacturing And Design Technology The 3D Printing Revolution	University at Buffalo, The State University of New York University of Illinois at Urbana-Champaign
Kaushik Kiran S	VI	A	Excel skills for business: Essentials Autodesk Fusion 360: Integrated CAD/CAM/CAE	Macquarie University Autodesk
Ashwin Ballal	VI	A	Accounting: Principles of Financial Accounting	University of Illinois Urbana-Champaign
Aditya Bucha	VI	A	RPA Lifecycle: Introduction, Discovery and Design Self Driving Cars Specialization	Automation Anywhere University of Toronto
Vigneshwar Veeravagu	VI	B	Exploratory Data Analysis with MATLAB	Mathworks
R.Swamenathan	VI	B	Getting Started With Python Python Data Structures Using Python To Access Web Data Using Databases With Python Retrieving, Processing And Visualizing Data With Python	University of Michigan
Shailesh Kumar	VI	B	Six Sigma; Principles Six Sigma: Tools for Define and Measure Six Sigma: Tools for Analyze	University system of Georgia

			Six Sigma: Tools for Improve and Control	
Sruthi Mahalakshmi	VI	B	Introduction to Sustainability Exploratory Data Analysis with MATLAB	University Of Illinois, Urbana-Champaign Mathworks
Thirumagal V	VI	B	Getting Started with Python Python Data Structures	University of Michigan
T. P. Sudarsanamurthy	VI	B	Getting started with python Python data structures Using python to access Web data Using databases with python AI for everyone	University of Michigan
V Vishnu Srinivasa Prasad	VI	B	Differential Equations for engineers Successful Negotiation: Essential strategies and skills Excel skills for business: Essentials Introduction to Programming with MATLAB	The Hong Kong university of Science and Technology University of Michigan Macquarie University Vanderbilt University
Raghav Arvind T	VI	B	Getting Started With Python Python Data Structures Work Smarter, Not Harder: Time Management for Personal & Professional Productivity	University of Michigan University of Michigan University of California, Irvine
Vishal Mohan	VI	B	Six Sigma; Principles Six Sigma: Tools for Define and Measure Six Sigma: Tools for Analyze Six Sigma: Tools for Improve and Control Industry 4.0	University system of Georgia University system of Georgia University system of Georgia University system of Georgia Tata Steels
Laxmanan CJ	VIII	A	Python Data structures	
Joseph Anand Raj I G	VIII	A	Data Analytics for Lean Six Sigma	University of Amsterdam
Thamil Amudhull B	IV	PG-MFG	Six Sigma Green Belt	University System of Georgia
Aneesh Kumar. I	IV	PG-MFG	Learning How to Learn: Powerful mental tools to help you master tough subjects Speak English Professionally: In Person, Online & On the Phone	McMaster university Georgia Institute of Technology