

# **K.S.R.M. COLLEGE OF ENGINEERING**

**UGC- AUTONOMOUS**

**Kadapa, Andhra Pradesh**

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## **CERTIFICATE/VALUE ADDED COURSES(VAC)/NPTEL**

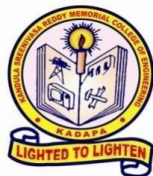
**AY 2020-2021**

### **NUMBER OF CERTIFICATE/ VALUE ADDED COURSES/NPTEL**

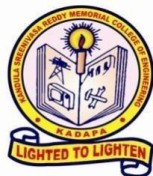
<b>2020-2021</b>	
<b>VAC</b>	<b>62</b>
<b>NPTEL</b>	<b>11</b>
<b>TOTAL</b>	<b>73</b>

## **CERTIFICATE/ VALUE ADDED COURSES**

<b>S.NO</b>	<b>COURSE NAME</b>	<b>COURSE CODE</b>	<b>LINK</b>
1	IOT with Python Programming	200403	<a href="#">View</a>
2	Introduction to Microsoft Office	200101	<a href="#">View</a>
3	IOT with python programming	200502	<a href="#">View</a>
4	Combustion & Emission in Engines	200301	<a href="#">View</a>
5	Computer Aided Analysis & Simulation	200302	<a href="#">View</a>
6	Design of Electrical Circuits using MULTISIM	200202	<a href="#">View</a>
7	Machine Learning	200503	<a href="#">View</a>
8	PLC and Its Applications	200203	<a href="#">View</a>
9	Design of continuous beams using Microsoft Excel spread sheets	200102	<a href="#">View</a>
10	Programming with Arduino	200404	<a href="#">View</a>
11	Requirements and estimation of framed building structures	200103	<a href="#">View</a>
12	Circuit Design using MULTISIM	200204	<a href="#">View</a>
13	AngularJS	200504	<a href="#">View</a>
14	CATIA	200303	<a href="#">View</a>
15	Product & Process Design	200304	<a href="#">View</a>
16	Deep learning using Python	200405	<a href="#">View</a>
17	Certificate Course on Beam design formulae with shear force and bending moment diagrams	200104	<a href="#">View</a>
18	MATLAB FOR BEGINNERS	200406	<a href="#">View</a>



19	Design of various structural elements of RCC buildings	200105	<a href="#">View</a>
20	Introduction to Solar PV Systems	200205	<a href="#">View</a>
21	Linux Programming	200505	<a href="#">View</a>
22	Deep Learning using Python	200506	<a href="#">View</a>
23	Process Piping Fabrication	200305	<a href="#">View</a>
24	LAB VIEW Programming	200206	<a href="#">View</a>
25	.NET	200507	<a href="#">View</a>
26	CNC programming for LATHE & Milling Machines	200306	<a href="#">View</a>
27	MATLAB Programming	200207	<a href="#">View</a>
28	Programming for Computations- MATLAB	200407	<a href="#">View</a>
29	Talley ERP 9	20HS02	<a href="#">View</a>
30	Computing software for water resources engineering and management	200106	<a href="#">View</a>
31	Alternative Fuels for IC Engines	200307	<a href="#">View</a>
32	Industrial Safety	200208	<a href="#">View</a>
33	Python for Data Science	200408	<a href="#">View</a>
34	Non- Conventional Energy Sources	21HS01	<a href="#">View</a>
35	Sustainable Engineering	21HS02	<a href="#">View</a>
36	Physics of Renewable Energy	21HS03	<a href="#">View</a>
37	Self Defence Course for Girls	21HS04	<a href="#">View</a>
38	Gender Sensitization	21HS05	<a href="#">View</a>
39	Numerical Methods for Engineers	21HS06	<a href="#">View</a>
40	Complex Analysis	21HS07	<a href="#">View</a>
41	Nano Materials and its Applications	21HS08	<a href="#">View</a>
42	Applied Machine Learning	210401	<a href="#">View</a>
43	Introduction to ETAP	210201	<a href="#">View</a>
44	Design of compression members Using Microsoft Excel	210101	<a href="#">View</a>
45	C++	210501	<a href="#">View</a>
46	Android Application Development	210502	<a href="#">View</a>
47	Simulation of IC Engine Processes	210301	<a href="#">View</a>
48	Cryogenic Engineering	210302	<a href="#">View</a>
49	Augmented Reality Based Navigation System	210402	<a href="#">View</a>
50	Advanced surveying equipment and its applications	210102	<a href="#">View</a>
51	Design of multi-storeyed building using STAAD Pro	210103	<a href="#">View</a>
52	Excel Data Analysis	210403	<a href="#">View</a>
53	Design of Slopes using GeoStudio	210104	<a href="#">View</a>
54	PCB Design	210202	<a href="#">View</a>
55	Instruments used in environmental	210105	<a href="#">View</a>



	pollutant quantification		
56	Liquefaction analysis of soil using FEA Media & IS1893-2015	210106	<a href="#">View</a>
57	Design thinking and product innovation	210303	<a href="#">View</a>
58	Internet of Things	210404	<a href="#">View</a>
59	Artificial Intelligence & Deep Learning	210503	<a href="#">View</a>
60	Internet of Things - Its Applications	210203	<a href="#">View</a>
61	Industrial safety & Management	210304	<a href="#">View</a>
62	MongoDB	210504	<a href="#">View</a>

### **NPTEL COURSES**

1	Geotechnical Engineering - 1	noc21-ce15	<a href="#">View</a>
2	Introduction to Embedded System Design	noc21-ee58	
3	Marketing Management - II	noc21-mg28	
4	Optical communications	noc21-ee42	
5	Principles of Human Resource Management	noc21-mg21	
6	Control engineering	noc20-ee62	
7	Engineering Metrology	noc20-me94	
8	Financial Accounting - IITB	noc20-mg52	
9	Introduction to Embedded System Design	noc20-ee98	
10	Marketing Management-I	noc20-mg68	
11	Programming in Java	noc20-cs58	