



R K COLLEGE OF ENGINEERING

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(An ISO 9001:2015 Certified Institution)
Kethanakonda (V), Ibrahimpatnam (M), Vijayawada, AMARAVATI - AP - 521456



Date: 13-11-2019

To,
The Principal
R K College of Engineering.

Through HOD-E.E.E.

Sub: Request For permission to conduct Seminar on "SMART GRID".

Sir,

I request you to kindly grant permission to conduct a Seminar on 19th & 20th NOV 2019 on "SMART GRID" with regard to the new trends in smart grid . This will be a very informative seminar for many students.

Our students really need to understand the operation and advantages of smart grid technique.

Thanking you Sir,

Yours Sincerely

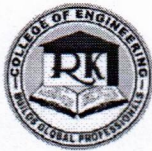

B. KANAKARAO

ASSISTANT PROFESSOR
EEE Dept.

Forward to Principal Sir
Naresh




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Date:20-11-2019

REPORT ON TWO DAY SEMINAR ON "SMART GRID"

Title: " Smart Grid"

Expert: P. ANKINEEDU PRASAD

Associate professor

Email: ankineedupadamata@gmail.com

EEE Department , Vikas college

Date: 19 & 20st Nov ,2019

Venue: Room Number F13, Department of Electrical & Electronics Engineering, RKCE.

Coordinators : Mr .B .KANAKA RAO
Mr. B. VERA BABU

Organized by: Electrical & Electronics engineering

Total Participants attended: 106

Details of Participants: Students of II, III and IV Year 1st semester.

Students of II, III and IV Year 1st semester have attended the seminar on Smart Grid with full enthusiasm. Mr. P. ANKINEEDU PRASAD has elaborately explained about the operation and advantages of Smart Grid. Also, he explained about the various types and applications of Smart Grid technology. The detailed topics are shown in program flow. This seminar was very useful as well as educative for the participants.

Coordinators

Kanaka Rao

HOD/EE

Prasad

HOD EEE

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Prasad



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TWO-DAY SEMINAR ON

"SMART GRID"

Organized by
Department of Electrical & Electronics Engineering
RK College of Engineering, Vijayawada

PROGRAMME FLOW – 19-11-2019.

TIME	SPEAKER	TOPIC TO BE DELIVERED
10:00 AM to 10:15 AM	B.VEERA BABU	Welcome speech
10:15 AM to 10:30 AM	Mr. B.R. NARENDRA	Introduction about the program
10:30 AM to 11:30 AM	P. ANKINEEDU PRASAD, Associate Professor, ankineedupadamata@gmail.com EEE Department. Vikas college Phone. no 919949998437	Solar photovoltaic panels?
11:30 AM to 11:45	<i>TEA BREAK</i>	
11:45 AM to 01:00 PM	P. ANKINEEDU PRASAD, Associate Professor, ankineedupadamata@gmail.com EEE Department. Vikas college Phone. no 919949998437	- Small wind turbines - Technologies
01:00 PM to 02:00 PM	<i>LUNCHBREAK</i>	
02:00 PM to 03:30 PM	P. ANKINEEDU PRASAD, Associate Professor, ankineedupadamata@gmail.com EEE Department. Vikas college Phone. no 919949998437	- Natural gas fired Fuel cells. - Operation.

Coordinator: Mr. B.KANKA RAO
Mr. B. VERA BABU



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TWO-DAY SEMINAR ON

"SMART GRID"

Organized by
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R K College of Engineering, Vijayawada

PROGRAMME FLOW – 20-11-2019

TIME	SPEAKER	TOPIC TO BE DELIVERED
10:30 AM to 11:30 AM	P. ANKINEEDU PRASAD, Associate Professor, ankineedupadamata@gmail.com EEE Department. Vikas college Phone. no 919949998437	Natural gas fired fuel cells. operation? Advantages and disadvantages
11:30 AM to 11 : 45 AM	<i>TEA BREAK</i>	
11:45 AM to 01:00 PM	P. ANKINEEDU PRASAD, Associate Professor, ankineedupadamata@gmail.com EEE Department. Vikas college Phone. no 919949998437	• Emergency back up generators
01:00 PM to 02:00 PM	<i>LUNCH BREAK</i>	
02:00 PM to 03:30 PM	P. ANKINEEDU PRASAD, Associate Professor, ankineedupadamata@gmail.com EEE Department. Vikas college Phone. no 919949998437	• Industries. • Applications
03:30 PM to 04:00 PM	<i>Feedback from the participants and vote of thanks by Mr. B.VEERABABU</i>	

Coordinators : Mr. B.KANKA RAO
Mr. B. VERA BABU



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Date:13-11-2019

To
Mr. P. ANKINEEDU PRASAD
Associate Professor
VIKAS COLLEGE,
NUNNA.

Sir,

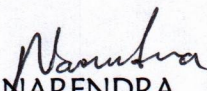
Subject: Request invitation for delivering expert lecture Two-day seminar on "SMART GRID" on dates 19-11-2019 & 20-11-2019- Reg.

Respected Sir,

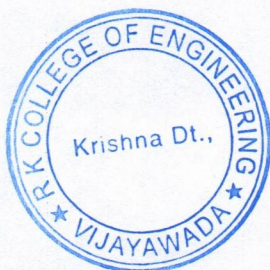
The department of E.E.E., RKCE, Kethanakonda (V), Ibrahimpatnam (M), Andhra Pradesh is organizing a two-day Seminar on Advancement in E.E.E. during 19-11-2019 & 20-11-2019. I am happy to invite you as a Resource Person. I request you to accept the invitation and arrange to send the relevant study material so as to include in the course book.

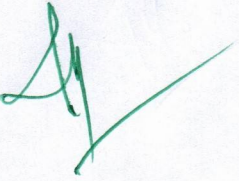
Thanking You,

Yours Sincerely


B.R. NARENDRA
HOD-EEE

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Resource Person Profile



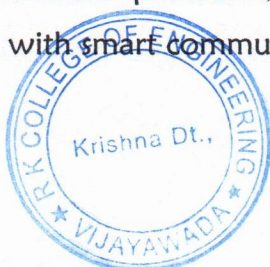
Presently Working as Associate Professor of Electrical & Electronics Engineering Department at Vikas Group of Institutions, Nunna, AP, India (Responsibilities: Teaching UG and PG Students of Electrical & Electronics Engineering and performing the works assigned by HOD and Principal). Having 12 years of Teaching and Registered Part-Time Ph. D (Doctor of Philosophy) in EEE Department, Acharya Nagarjuna University, India.

Smart grid:

smart grid? Delivers electricity from suppliers to consumers using two-way digital technology? to control appliances at consumers' homes to save energy, reduce cost and increase reliability and transparency. It is capable of assessing its health in real-time, predicting its behavior, anticipatory behavior, adaptation to new environments, handling distributed resources, stochastic demand, and optimal response to the smart appliances. It is a tool that allows electric utilities to focus on evolving true business drivers by enabling cost containment, end-to-end power delivery control, and a more secure infrastructure.

Why Smart grid?

The Smart Grid with intelligent functions is expected to provide self-correction, reconfiguration and restoration, and able to handle randomness of loads and market participants in real time, while creating more complex interaction behavior with intelligent devices, communication protocols, standard and smart algorithms to achieve complex interaction with smart communication and transportation systems.



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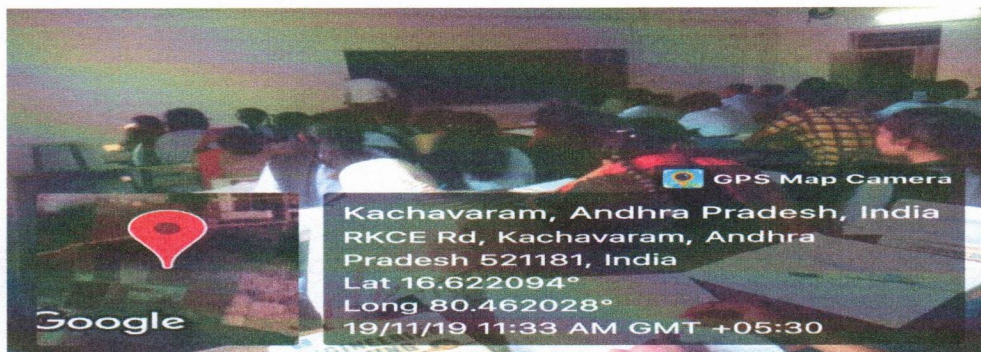
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The smart grid has the numerous ranges of factor and the features of the smart grid are as below:

- Reliability
- Flexibility in network topology
- Efficiency
- Load adjustment/ load balancing
- Peak curtailment/ leaving
- Time of use pricing
- Sustainability
- Market enabling



- Demand response support
- Platform for advanced services
- Provision megabits
- Control power with kilobits
- Sell the rest

Advantages of the Smart Grid:

The advantages of the smart grid are as follows:

- The production, installation and work, maintenance of the smart grid and the components of the smart grid bring new jobs to the people and hence it works for the economic development.
- The smart grid furnishes low costs.
- The smart grid provides the services that satisfy the customers because it has the features like low cost, enhanced reliability, and good customer control.



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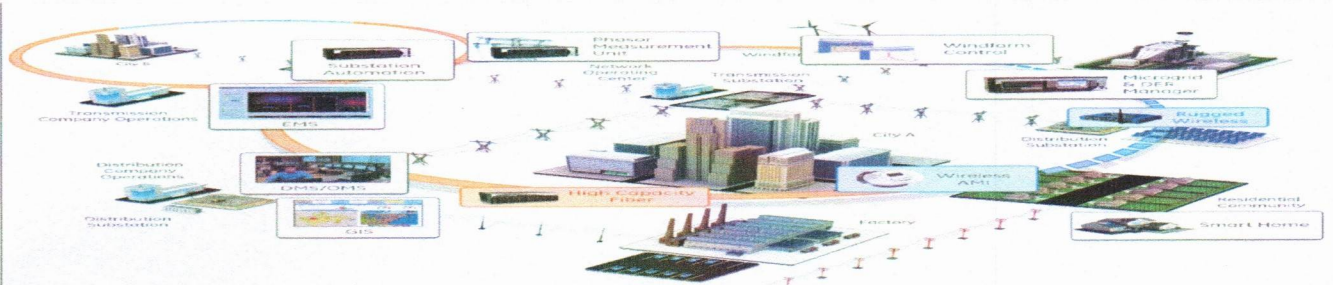
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Report on Smart Grid

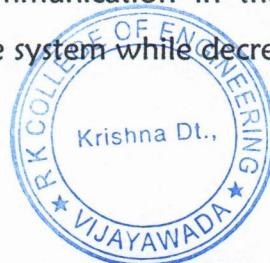
The smart grid has many benefits like decreased the cost of block outs, aids to measure and decrease the consumption of energy, aids the business to decrease their carbon footprints and brings modern opportunities for the technical firms and it means that the job opportunities are created and available for the people. There are many definitions related to the smart grid and some are depending on its working parameters, few are depending on its mechanism and few are benefits oriented. The term smart grid describes a smart grid and it is in use since, from 1997, the most common feature in the definitions of the smart grid is the digital processing and exchange of information to the power grid.



Why is the Smart Grid Important?

The smart grid refers to an advanced electricity supply bond which runs from a major power plant to all the way inside your home. For example, there are many power plants in the United States and these power plants produce electricity by using the wind energy, nuclear energy, hydro, natural gas and from other resources. These producing stations produce electricity at a fixed electrical voltage and this certain level of voltage is enhanced to very high voltages so that the power transmission's efficiency is enhanced over long distances.

When this electrical power gets near your town or city or village then the high electrical voltage is decreased in a process called stepped-down, the voltage value is decreased in an electrical substation for the distribution in an area. The most important concept of the smart grid is to include the capabilities of monitoring, analysis, control and communication in the national electrical delivery system to improve the output of the system while decreasing the consumption of energy.



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Disadvantages of the Smart Grid:

The disadvantages of the smart grid are as follows:

The main problem related to the smart grid is the protection and security.

Some type of meters in it can be hacked.

The hackers may gain control over the meters and this may enhance the demand for power or reduce the demand for power.

It is expensive when it comes to the installation and requires many technological components.

K. K. Konda
Coordinators

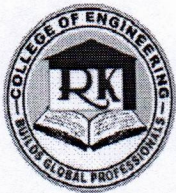
N. S. S. S.
HOD-EEE

[Signature]
Principal

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Student Attendance for Seminar on "SMART GRID"

SI.NO	ROLL NUMBER	STUDENT NAME	SIGNATURE	
			DAY-I	DAY-II
1	16MC1A0201	KORADA SATISH KUMAR	K. SATISH KUMAR	K. SATISH KUMAR
2	16MC1A0202	MANTRALA SIVA KUMAR	M. SIVA KUMAR	M. SIVA KUMAR
3	16MC1A0203	NAGADASARI RAJENDRA	N. Rajendra	N. Rajendra
4	16MC1A0204	NALABOTHULA THIRUPATHAMMA	N. thirupathamma	N. thirupathamma
5	16MC1A0205	PATTURI MAHESWARI	P. MAHESWARI	P. MAHESWARI
6	16MC1A0206	SHAIK NADIL	S. NADIL	S. NADIL
7	16MC1A0207	THIRUVEEDHULA BABYMANOHA	T. Babymanoha	T. Babymanoha
8	16MC1A0208	HEMAIAHGARI VAMSI	V. Vamsi	V. Vamsi
9	17MC5A0202	BITRA NIHARIKA	B. NIHARIKA	B. NIHARIKA
10	17MC5A0203	CHALLA LOKANADAM	C. LOKANADAM	C. LOKANADAM
11	17MC5A0204	CHAVALA PRASAD	C. PRASAD	C. PRASAD
12	17MC5A0205	CHIKATI PALLI SATHISH KUMAR	C. SATHISH KUMAR	C. SATHISH KUMAR
13	17MC5A0206	D VEENA	D. VEENA	D. VEENA
14	17MC5A0207	DEVANDLA DURGA RAO	D. DURGA RAO	D. DURGA RAO
15	17MC5A0208	DOGGA BHARATHI	D. BHARATHI	D. BHARATHI
16	17MC5A0209	DUGGI SUNIL KUMAR	D. SUNIL KUMAR	D. SUNIL KUMAR
17	17MC5A0210	EDE AJITH SAI KUMAR	E. AJITH SAI KUMAR	E. AJITH SAI KUMAR
18	17MC5A0211	GARAPATI MANI KUMAR	G. MANI KUMAR	G. MANI KUMAR
19	17MC5A0212	GOLLU BHAGYA LAKSHMI	G. BHAGYA LAKSHMI	G. BHAGYA LAKSHMI
20	17MC5A0213	HEERAPURAM SHAMAPARVIN	H. SHAMAPARVIN	H. SHAMAPARVIN
21	17MC5A0214	KAPPA PAVAN KUMAR	K. PAVAN KUMAR	K. PAVAN KUMAR
22	17MC5A0215	KAREDLA SWETHA	K. SWETHA	K. SWETHA



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23	17MC5A0216	KORI LINGAMURTHY	K. Lingamurthy	K. Lingamurthy
24	17MC5A0217	KUDIPUDI SUDHEER	K. Sudheer	K. Sudheer
25	17MC5A0218	KURRA PRAKASH RAO	K. Prakash Rao	K. Prakash Rao
26	17MC5A0219	LANKE NAGA GOPI	L. Naga Gopi	L. Naga Gopi
27	17MC5A0220	M PAVANI	M. Pavani	M. Pavani
28	17MC5A0221	MADAKAM VEERA VENKATA NAGAVIJAYALAKSHMI	M. Nagavisa yalakshmi	M. Nagavisa yalakshmi
29	17MC5A0222	MANGALI VEMUGADDA LOKESH	M. Vemugadda Lokesh	M. Vemugadda Lokesh
30	17MC5A0223	MANIKONDA GUNAMRUTHA LAKSHMI NARAYANA	M. Lakshmi Narayana	M. Lakshmi Narayana
31	17MC5A0224	PINJARI SHAIKSHAVALI	P. Shaiksha Vali	P. Shaiksha Vali
32	17MC5A0225	REDDYMANU KRISHNA	R. Krishna	R. Krishna
33	17MC5A0226	ROUTHU DURGARAO	R. Durgarao	R. Durgarao
34	17MC5A0227	SAMARNATH KURLA	S. Keerla	S. Keerla
35	17MC5A0228	SINGAMREDDY RAJASEKHAR REDDY	S. Rajasekhar Reddy	S. Rajasekhar Reddy
36	17MC5A0229	TAMU SATYANARAYANAMMA	T. Satyanarayana Namma	T. Satyanarayana Namma
37	17MC5A0230	THIPPAREDDY USHARANI	T. Usharani	T. Usharani
38	17MC5A0231	JONNALAGADDA SAI PHANI KUMAR	J. Sai phanikumar	J. Sai phanikumar
39	17MC5A0232	M SHANMUGAM	M. Shanmugam	M. Shanmugam
40	17MC5A0233	UNDRU SIMON JOY	U. Simon Joy	U. Simon Joy
41	17MC1A0201	EEDA KAMAL RAJ	E. Kamal Raj	E. Kamal Raj
42	17MC1A0202	KODAMANCHILI PREM KUMAR	K. Prem Kumar	K. Prem Kumar
43	17MC1A0203	MUKKARA SASI KUMAR	M. Sasi Kumar	M. Sasi Kumar
44	17MC1A0204	VEMAYAGARI VAMSI	V. Vamsi	V. Vamsi
45	17MC1A0205	YELLAMGARI AJAY	Y. Ajay	Y. Ajay
46	18MC5A0201	ALAKUNTA LAKSHMI ANUSHA	A. Lakshmi Anusha	A. Lakshmi Anusha
47	18MC5A0202	AMMEPALLI SUDARSHAN	A. Sudarshan	A. Sudarshan
48	18MC5A0203	C PAVAN KUMAR REDDY	C. Pavan Kumar Reddy	C. Pavan Kumar Reddy



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49	18MC5A0204	DUDDA KUNTLA SIRISHA	D. SIRISHA	D. SIRISHA
50	18MC5A0205	GANGIDEVI GOPIKRISHNA	G. Gopikrishna	G. Gopikrishna
51	18MC5A0206	GUDIPALLI VENKAIAH	G. Venkaiah	G. Venkaiah
52	18MC5A0207	JALLA BALARAM	J. Balaram	J. Balaram
53	18MC5A0208	KALAPALA AJAY KUMAR	K. Adas	K. Adas
54	18MC5A0209	KALYAMPUDI SEKHARARAO	K. Sekharrao	K. Sekharrao
55	18MC5A0210	KATTA MOUNIKA	K. MOUNIKA	K. MOUNIKA
56	18MC5A0211	KATTA PRIYANKA	K. Priyanka	K. Priyanka
57	18MC5A0212	KATTI GOWTHAMI	K. GOWTHAMI	K. GOWTHAMI
58	18MC5A0213	KATTUBADI RAHAMTHULLA	K. Raha	K. Raha
59	18MC5A0214	KONDAPALLI PAVAN KALYAN	P. Pavan	P. Pavan
60	18MC5A0215	PEGADA VENKATA RAO	P. Venkata Rao	P. Venkata Rao
61	18MC5A0216	PERUBOYINA GOPIRAJU	P. GOPIRAJU	P. GOPIRAJU
62	18MC5A0217	RACHAMALLA SANKARANANDA REDDY	R. Sankarananda	R. Sankarananda
63	18MC5A0218	SANGATI RAVI TEJA REDDY	S. Ravi Teja	S. Ravi Teja
64	18MC5A0219	SEERAPU NEELIMA REDDY	S. Neelima Reddy	S. Neelima Reddy
65	18MC5A0220	SIRIGIREDDY VAMSIDHAR REDDY	S. Vamsidar	S. Vamsidar
66	18MC5A0221	SIRIGIREDDY VARSHINI	S. Varshini	S. Varshini
67	18MC5A0222	THANANKI PRAVEEN	T. Praveen	T. Praveen
68	18MC5A0223	VADDIPATI VENKATA SAI	V. Venk	V. Venk
69	18MC5A0224	VALLEPU NEELIMA	V. Neelima	V. Neelima
70	18MC5A0225	VARANASI PAVAN KUMAR	V. Pavan Kumar	V. Pavan Kumar
71	18MC5A0226	VELUGU GANESH	V. Ganesh	V. Ganesh
72	18MC5A0227	JAKKULA USHA RANI	J. USHARANI	J. USHARANI
73	18MC5A0228	ASAM PREM KUMAR REDDY	A. Prem K.	A. Prem K.
74	18MC5A0229	GALI SURENDRA	G. SURENDRA	G. SURENDRA
75	18MC1A0201	DADINAGALLA VAMSI KRISHNA	D. Vamsi	D. Vamsi



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79	18MC5A0212	KATTI GOWTHAMI	K. Gowthami	K. Gowthami
80	18MC5A0213	KATTUBADI RAHAMTHULLA	K. Rahmud	K. Rahmud
81	18MC5A0214	KONDAPALLI PAVAN KALYAN	K.p. kalyan	K.p. kalyan
82	18MC5A0215	PEGADA VENKATA RAO	P. VENKATARAO	P. VENKATARAO
83	18MC5A0216	PERUBOYINA GOPIRAJU	P. Gopiraju	P. Gopiraju
84	18MC5A0217	RACHAMALLA SANKARANANDA REDDY	R.S. Reddy	R.S. Reddy
85	18MC5A0218	SANGATI RAVI TEJA REDDY	Teja Reddy	Teja Reddy
86	18MC5A0219	SEERAPU NEELIMA REDDY	S. Neelima reddy	S. Neelima reddy
87	18MC5A0220	SIRIGIREDDY VAMSIDHAR REDDY	S. V. Reddy	S. V. Reddy
88	18MC5A0221	SIRIGIREDDY VARSHINI	S. VARSHINI	S. VARSHINI
89	18MC5A0222	THANANKI PRAVEEN	T. Praveen	T. Praveen
90	18MC5A0223	VADDIPATI VENKATA SAI	V.V. Sai	V.V. Sai
91	18MC5A0224	VALLEPU NEELIMA	V. Neelima	V. Neelima
92	18MC5A0225	VARANASI PAVAN KUMAR	V. Pavan Kumar	V. Pavan Kumar
93	18MC5A0226	VELUGU GANESH	V. GANESH	V. GANESH
94	18MC5A0227	JAKKULA USHA RANI	J. USHA Rani	J. USHA Rani
95	18MC5A0228	ASAM PREM KUMAR REDDY	Reddy	Reddy
96	18MC5A0229	GALI SURENDRA	G. SURENDRA	G. SURENDRA
97	17MC1A0401	AMBAVARAM THAMAS REDDY	Reddy. A.T	Reddy. A.T
98	17MC1A0402	BAINENY MUNITHEJA	Munithheja. B	Munithheja. B
99	17MC1A0403	BHUKYA LAKSHMI	B. Lakshmi	B. Lakshmi
100	17MC1A0404	BOGA SIVA NAGA SUREKHA	B. Siva	B. Siva
101	17MC1A0405	CHIDADHALA HEMANTH KUMAR	C.H. Kumar	C.H. Kumar
102	17MC1A0406	DADDALA MALYADRI	D. malyadri	D. malyadri

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1	16MC1A0201	Yes	Yes	5	5	5	4	5	
2	16MC1A0202	Yes	Yes	5	5	5	4	5	
3	16MC1A0203	Yes	Yes	5	5	5	4	5	
4	16MC1A0204	Yes	Yes	5	5	5	4	5	
5	16MC1A0205	Yes	Yes	5	5	5	4	5	
6	16MC1A0206	Yes	Yes	5	5	5	4	5	
7	16MC1A0207	Yes	Yes	5	5	5	5	4	
8	16MC1A0208	Yes	Yes	5	5	5	5	5	
9	17MC5A0202	Yes	Yes	5	5	4	5	5	
10	17MC5A0203	Yes	Yes	5	5	5	5	5	
11	17MC5A0204	Yes	Yes	5	5	5	4	5	
12	17MC5A0205	Yes	Yes	5	5	5	4	5	
13	17MC5A0206	Yes	Yes	5	5	5	4	5	
14	17MC5A0207	Yes	Yes	5	5	4	5	5	
15	17MC5A0208	Yes	Yes	5	5	5	4	4	
16	17MC5A0209	Yes	Yes	4	5	5	5	5	
17	17MC5A0210	Yes	Yes	5	5	5	4	5	
18	17MC5A0211	Yes	Yes	5	5	5	5	4	
19	17MC5A0212	Yes	Yes	5	5	4	5	5	



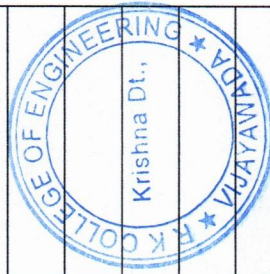
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20	17MC5A0213	Yes	Yes	5	5	4	5	5	
21	17MC5A0214	Yes	Yes	5	5	4	5	5	
22	17MC5A0215	Yes	Yes	5	4	5	5	5	
23	17MC5A0216	Yes	Yes	5	5	4	5	5	
24	17MC5A0217	Yes	Yes	5	5	5	5	5	
25	17MC5A0218	Yes	Yes	5	5	4	5	5	
26	17MC5A0219	Yes	Yes	5	5	5	4	5	
27	17MC5A0220	Yes	Yes	5	5	4	5	5	
28	17MC5A0221	Yes	Yes	5	5	4	5	5	
29	17MC5A0222	Yes	Yes	5	4	5	5	5	
30	17MC5A0223	Yes	Yes	5	5	4	5	5	
31	17MC5A0224	Yes	Yes	4	5	4	5	5	
32	17MC5A0225	Yes	Yes	5	4	5	5	5	
33	17MC5A0226	Yes	Yes	5	5	4	5	5	
34	17MC5A0227	Yes	Yes	5	5	5	5	5	
35	17MC5A0228	Yes	Yes	5	5	4	5	5	
36	17MC5A0229	Yes	Yes	5	5	4	5	5	
37	17MC5A0230	Yes	Yes	5	5	5	4	5	
38	17MC5A0231	Yes	Yes	5	4	5	5	5	



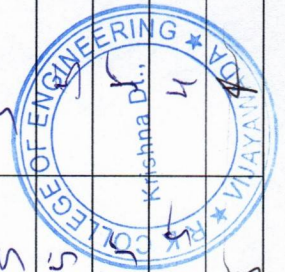
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39	17MC5A0232	Yes	Yes	4	5	5	5	5	
40	17MC5A0233	Yes	Yes	4	5	5	5	5	
41	17MC1A0201	Yes	Yes	4	5	5	5	5	
42	17MC1A0202	Yes	Yes	5	5	4	5	5	
43	17MC1A0203	Yes	Yes	4	5	5	5	5	
44	17MC1A0204	Yes	Yes	5	4	5	4	4	
45	17MC1A0205	Yes	Yes	5	5	4	5	5	
46	18MC5A0201	Yes	Yes	5	5	5	5	5	
47	18MC5A0202	Yes	Yes	5	5	5	5	5	
48	18MC5A0203	Yes	Yes	4	5	5	4	5	
49	18MC5A0204	Yes	Yes	5	5	5	5	4	
50	18MC5A0205	Yes	Yes	4	5	5	5	5	
51	18MC5A0206	Yes	Yes	5	4	5	5	5	
52	18MC5A0207	Yes	Yes	5	5	4	5	5	
53	18MC5A0208	Yes	Yes	5	4	5	5	5	
54	18MC5A0209	Yes	Yes	4	5	5	5	4	
55	18MC5A0210	Yes	Yes	5	4	5	5	5	
56	18MC5A0211	Yes	Yes	4	5	5	5	5	
57	18MC5A0212	Yes	Yes	5	5	5	5	5	



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58	18MC5A0213	Yes	Yes	5	5	5	5	4	
59	18MC5A0214	Yes	Yes	4	5	5	5	5	
60	18MC5A0215	Yes	Yes	5	4	5	5	5	
61	18MC5A0216	Yes	Yes	4	5	5	4	5	
62	18MC5A0217	Yes	Yes	5	5	5	5	4	
63	18MC5A0218	Yes	Yes	5	5	4	4	5	
64	18MC5A0219	Yes	Yes	5	5	5	5	5	
65	18MC5A0220	Yes	Yes	5	4	4	4	5	
66	18MC5A0221	Yes	Yes	5	5	4	4	4	
67	18MC5A0222	Yes	Yes	4	5	5	5	5	
68	18MC5A0223	Yes	Yes	5	4	5	4	5	
69	18MC5A0224	Yes	Yes	5	5	5	5	5	
70	18MC5A0225	Yes	Yes	5	4	5	5	5	
71	18MC5A0226	Yes	Yes	5	5	1	5	5	
72	18MC5A0227	Yes	Yes	4	5	5	5	5	
73	18MC5A0228	Yes	Yes	4	5	5	5	5	
74	18MC5A0229	Yes	Yes	5	4	5	4	5	
75	18MC1A0201	Yes	Yes	5	5	4	5	5	
76	18MC1A0202	Yes	Yes	5	4	5	5	5	



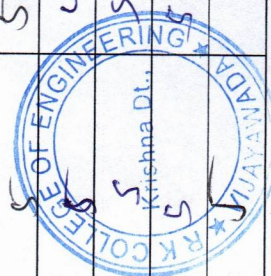
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77	18MC1A0203	yes	yes	5	4	5	5	4	
78	18MC1A0204	yes	yes	5	4	5	5	5	
79	18MC1A0205	yes	yes	5	4	5	5	5	
80	18MC1A0206	yes	yes	5	4	5	5	5	
81	18MC1A0207	yes	yes	5	5	5	5	5	
82	18MC1A0208	yes	yes	5	4	5	5	5	
83	19MC5A0201	yes	yes	5	5	5	4	5	
84	19MC5A0202	yes	yes	4	5	5	5	5	
85	19MC5A0203	yes	yes	5	4	5	5	5	
86	19MC5A0204	yes	yes	5	5	5	5	5	
87	19MC5A0205	yes	yes	5	4	5	5	5	
88	19MC5A0206	yes	yes	5	5	5	5	5	
89	19MC5A0207	yes	yes	5	5	4	5	5	
90	19MC5A0208	yes	yes	5	4	5	5	5	
91	19MC5A0209	yes	yes	5	4	5	5	5	
92	19MC5A0210	yes	yes	5	4	5	5	5	
93	19MC5A0211	yes	yes	5	5	4	5	5	
94	19MC5A0213	yes	yes	5	4	5	5	5	
95	19MC5A0214	yes	yes	5	5	5	5	5	

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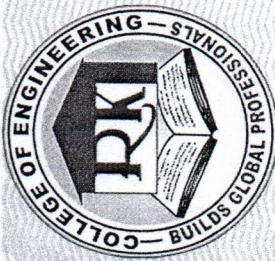
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96	19MC5A0215	yes	yes	5	5	4	5	5	
97	19MC5A0216	Yes	Yes	5	4	5	5	5	
98	19MC5A0217	yes	yes	5	5	5	5	5	
99	19MC5A0218	yes	yes	4	5	5	5	5	
100	19MC5A0219	yes	yes	5	5	5	5	5	
101	19MC5A0220	Yes	Yes	4	5	5	5	5	
102	19MC5A0221	yes	yes	4	5	5	5	4	
103	19MC5A0222	Yes	Yes	5	4	5	5	5	
104	19MC5A0223	yes	yes	5	4	5	5	4	
105	19MC5A0224	yes	yes	5	5	5	5	5	
106	19MC5A0225	Yes	yes	5	5	5	4	5	



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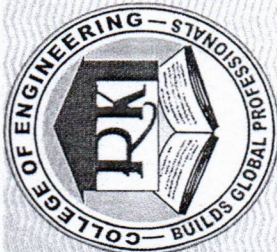


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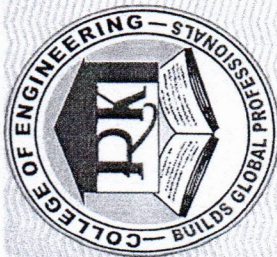
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