



RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA

(University of Technology of Madhya Pradesh)

Airport Bypass Road, Gandhi Nagar,
Bhopal- 462033

(As per Ordinance No 4C Bachelor of Technology 4 year Degree course Para 3.4 and 3.5)

List of permitted MOOC'S COURSES along with their credits for B.Tech. students of RGPV.

For the session July – December 2020

FOR THE STUDENT OF B.TECH. CIVIL ENGG, FIRE TECHNOLOGY & SAFTEY

S.No.	Course id	Discipline	Course Name	Duration	RGPV Credit	SME Name	Institute	Course Start Date	Course End Date	Exam date	Click here to Join the Course
01	noc20-ce34	Civil Engineering	Strength Of Materials	12 Weeks	3	Prof. Sriman Kumar Bhattacharyya	IIT KGP	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/nd1_noc20_ce34/preview
02	noc20-ce35	Civil Engineering	Structural analysis-I	12 Weeks	3	Prof. Amit Shaw	IIT KGP	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/nd1_noc20_ce35/preview
03	noc20-ce36	Civil Engineering	Foundation Engineering	12 Weeks	3	Prof. Kousik Deb	IIT KGP	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/nd1_noc20_ce36/preview
04	noc20-ce37	Civil Engineering	Design of steel structures	12 Weeks	3	Prof. Damodar Maity	IIT KGP	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/nd1_noc20_ce37/preview
05	noc20-ce38	Civil Engineering	Soil Mechanics/	12 Weeks	3	Prof. Dilip Kumar Baidya	IIT KGP	July 20, 2020	October 9,	October	https://swayam.gov.in/nd1_noc20_ce38/preview



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			Geotechnical Engineering I						2020	18, 2020	
06	noc20-ce40	Civil Engineering	Reinforced Concrete Road Bridges	4 Weeks	1	Prof. Nirjhar Dhang	IIT KGP	August 17, 2020	September 11, 2020	October 17, 2020	https://swayam.gov.in/nd1_noc20_ce40/preview
07	noc20-ce41	Civil Engineering	Matrix Method of Structural Analysis	8 Weeks	2	Prof. Amit Shaw Prof. Biswanath Banerjee	IIT KGP	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nd1_noc20_ce41/preview
08	noc20-ce44	Civil Engineering	Project Planning & Control	8 Weeks	2	Prof. Koshy Varghese	IITM	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nd1_noc20_ce44/preview
09	noc20-ce48	Civil Engineering	Geotechnical Engineering Laboratory	4 Weeks	1	Prof. J. N. Mandal	IITB	July 20, 2020	August 14, 2020	September 27, 2020	https://swayam.gov.in/nd1_noc20_ce48/preview
10	noc20-ce49	Civil Engineering	Geosynthetics Testing Laboratory	4 Weeks	1	Prof. J. N. Mandal	IITB	July 20, 2020	August 14, 2020	September 27, 2020	https://swayam.gov.in/nd1_noc20_ce49/preview



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										2020	
11	noc20-ce50	Civil Engineering	Mechanics Of Materials	12 Weeks	3	Prof. Saravanan U	IITM	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/nd1_noc20_ce50/preview
12	noc20-ce51	Civil Engineering	GPS Surveying	4 Weeks	1	Prof. J. K. Ghosh	IITR	July 20, 2020	August 14, 2020	September 27, 2020	https://swayam.gov.in/nd1_noc20_ce51/preview
13	noc20-ce53	Civil Engineering	Introduction to Multimodal Urban Transportat ion Systems (MUTS)	12 Weeks	3	Prof. Arkopal Kishore Goswami	IIT KGP	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/nd1_noc20_ce53/preview
14	noc20-ce56	Civil Engineering	Municipal Solid Waste Managemement	12 Weeks	3	Prof. Ajay Kalamdhad	IITG	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/nd1_noc20_ce56/preview
15	noc20-ce58	Civil Engineering	Remote Sensing and GIS	8 weeks	2	Prof. Rishikesh Bharti	IITG	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nd1_noc20_ce58/preview



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										2020	
16	noc20-ce59	Civil Engineering	Fluid Mechanics	8 weeks	2	Prof. Subashisa Dutta	IITG	August 17, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/noc20-ce59/preview



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FOR THE STUDENT OF B.TECH. COMPUTER SCIENCE & ENGINEERING, INFORMATION TECHNOLOGY

S.No.	Course id	Discipline	Course Name	Duration	RGPV Credit	SME Name	Institute	Course Start Date	Course End Date	Exam date	Click here to Join the Course
01	noc20-cs62	Computer Science and Engineering	Deep Learning	12 Weeks	3	Prof. Prabir Kumar Biswas	IIT KGP	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/noc20-cs62/preview
02	noc20-cs63	Computer Science and Engineering	Hardware modeling using verilog	8 Weeks	2	Prof. Indranil Sengupta	IIT KGP	August 17, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/noc20-cs63/preview
03	noc20-cs65	Computer Science and Engineering	Cloud computing	8 Weeks	2	Prof. Soumya Kanti Ghosh	IIT KGP	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/noc20-cs65/preview
04	noc20-cs66	Computer Science and Engineering	Introduction to internet of things	12 Weeks	3	Prof. Sudip Misra	IIT KGP	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/noc20-cs66/preview
05	noc20-cs72	Computer Science and Engineering	Data Science for Engineers	8 Weeks	2	Prof. Rangunathan Rengasamy Prof. Shankar	IITM	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/noc20-cs72/preview



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						Narasimhan				2020	
06	noc20-cs73	Computer Science and Engineering	Introduction to Machine Learning	12 Weeks	3	Prof. Balaraman Ravindran	IITM	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/noc20_cs73/preview
07	noc20-cs74	Computer Science and Engineering	Reinforcement Learning	12 Weeks	3	Prof. Balaraman Ravindran	IITM	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/noc20_cs74/preview
08	noc20-cs77	Computer Science and Engineering	Software Testing	12 Weeks	3	Prof. Meenakshi D'souza	IITB	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/noc20_cs77/preview
09	noc20-cs78	Computer Science and Engineering	Social Networks	12 Weeks	3	Prof. Sudarshan Iyengar	IIT Ropar	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/noc20_cs78/preview
10	noc20-cs79	Computer Science and	Introduction To	8 Weeks	2	Prof. S. P Suresh	CMI	July 20, 2020	September 11,	September	https://swayam.gov.in/noc20_cs79/preview



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		Engineering	Haskell Programming						2020	27, 2020	
11	noc20-cs80	Computer Science and Engineering	Python for Data Science	4 Weeks	1	Prof. Ragunathan Rengasamy	IITM	July 20, 2020	August 14, 2020	September 27, 2020	https://swayam.gov.in/nid1_noc20_cs80/preview
12	noc20-cs81	Computer Science and Engineering	Artificial Intelligence Search Methods For Problem Solving	12 Weeks	3	Prof. Deepak Khemani	IITM	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/nid1_noc20_cs81/preview
13	noc20-cs86	Computer Science and Engineering	Demystifying Networking	4 Weeks	1	Prof. Sridhar Iyer	IITB	July 20, 2020	August 14, 2020	September 27, 2020	https://swayam.gov.in/nid1_noc20_cs86/preview
14	noc20-cs87	Computer Science and Engineering	Applied Natural Language	12 Weeks	3	Prof. Ramaseshan R	CMI	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/nid1_noc20_cs87/preview



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			Processing							2020	
15	noc20-cs88	Computer Science and Engineering	Deep Learning for Computer Vision	12 Weeks	3	Prof. Vineeth N Balasubramanian	IITH	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/noc20_cs88/preview
16	noc20-cs95	Computer Science and Engineering	Practical Machine Learning with Tensorflow	8 weeks	2	Prof. Ashish Tendulkar Prof. Balaraman Ravindran	IITM & Google	August 17, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/noc20_cs95/preview
17	noc20-cs96	Computer Science and Engineering	Google Cloud Computing Foundation Course	8 weeks	2	Prof. Soumya Kanti Ghosh	IIT KGP & Google	August 17, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/noc20_cs96/preview



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**FOR THE STUDENT OF B.TECH. ELECTRICAL ENGINEERING, ELECTRONICS AND COMMUNICATION,
ELECTRONICS & INSTRUMENTATION, ELECTRONICS ENGINEERING, ELECTRICAL AND ELECTRONICS
ENGINEERING, BIOMEDICAL**

S.No.	Course id	Discipline	Course Name	Duration	RGPV Credit	SME Name	Institute	Course Start Date	Course End Date	Exam date	Click here to Join the Course
01	noc20-ee55	Electrical and Electronics Engineering	Op-Amp Practical Applications: Design, Simulation and Implementation	12 Weeks	3	Prof. Hardik Pandya	IISc	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/nd1_noc20_ee55/preview
02	noc20-ee57	Electrical and Electronics Engineering	Design of photovoltaic systems	12 Weeks	3	Prof. L Umanand	IISc	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/nd1_noc20_ee57/preview
03	noc20-ee58	Electrical and Electronics Engineering	Principles of Signal Estimation for MIMO/OFDM Wireless Communication	12 Weeks	3	Prof. Aditya K. Jagannatham	IITK	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/nd1_noc20_ee58/preview



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04	noc20-ee59	Electrical and Electronics Engineering	Applied Optimization for Wireless, Machine Learning, Big Data	12 Weeks	3	Prof. Aditya K. Jagannatham	IITK	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/nd1_noc20_ee59/preview
05	noc20-ee65	Electrical and Electronics Engineering	Introduction to Smart Grid	8 Weeks	2	Prof. N. P. Padhy Prof. Premalata Jena	IITR	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nd1_noc20_ee65/preview
06	noc20-ee67	Electrical and Electronics Engineering	Advances in UHV Transmission and Distribution	8 Weeks	2	Prof. Subbba Reddy B	IISc	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nd1_noc20_ee67/preview
07	noc20-ee76	Electrical and Electronics Engineering	Digital VLSI Testing	12 Weeks	3	Prof. Santanu Chattopadhyay	IIT KGP	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/nd1_noc20_ee76/preview
08	noc20-ee79	Electrical and Electronics	Fiber Optic Communication	12 Weeks	3	Prof. Deepa Venkitesh	IITM	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/nd1_noc20_ee79/preview



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		Engineering	Technology							2020	
09	noc20-ee86	Electrical and Electronics Engineering	Electrical Distribution System Analysis	8 Weeks	2	Prof. G. B. Kumbhar	IITR	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nd1_noc20_ee86/preview
10	noc20-ee92	Electrical and Electronics Engineering	Linear System Theory	12 Weeks	3	Prof. Ramkrishna Pasumarthy	IITM	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/nd1_noc20_ee92/preview
11	noc20-ee93	Electrical and Electronics Engineering	Applied Electromagnetics For Engineers	12 weeks	3	Prof. Pradeep Kumar	IITK	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/nd1_noc20_ee93/preview
12	noc20-ee94	Electrical and Electronics Engineering	An Introduction to Coding Theory	8 weeks	2	Prof. Adrish Banerjee	IITK	August 17, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/nd1_noc20_ee94/preview



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 ENGINEERING, AUTOMOBILE ENGINEERING, MINING ENGINEERING**

S.No.	Course id	Discipline	Course Name	Duration	RGPV Credit	SME Name	Institute	Course Start Date	Course End Date	Exam date	Click here to Join the Course
01	noc20-hs79	Mechanical Engineering	Mathematical Modeling Of Manufacturing Processes	12 Weeks	3	Prof. Swarup Bag	IITG	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/noc20-hs79/preview
02	noc20-me50	Mechanical Engineering	Rapid Manufacturing	12 Weeks	3	Prof. J. Ramkumar Prof. Amandeep Singh	IITK	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/noc20-me50/preview
03	noc20-me52	Mechanical Engineering	Heat Exchangers : Fundamentals and Design Analysis	12 Weeks	3	Prof. Prasanta Kumar Das Prof. Indranil Ghosh	IIT KGP	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/noc20-me52/preview
04	noc20-me53	Mechanical Engineering	Mechanism And Robot Kinematics	8 Weeks	2	Prof. Anirvan Dasgupta	IIT KGP	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/noc20-me53/preview



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05	noc20-me56	Mechanical Engineering	Robotics	8 Weeks	2	Prof. D. K. Pratihar	IIT KGP	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nd1_noc20_me56/preview
06	noc20-me58	Mechanical Engineering	Automation in Manufacturing	12 Weeks	3	Prof. Shrikrishna N. Joshi	IITG	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/nd1_noc20_me58/preview
07	noc20-me60	Mechanical Engineering	Finite Element Method: Variational Methods to Computer Programming	12 Weeks	3	Prof. Atanu Banerjee Prof. Arup Nandy	IITG	July 20, 2020	October 9, 2020	October 17, 2020	https://swayam.gov.in/nd1_noc20_me60/preview
08	noc20-me64	Mechanical Engineering	Foundation of Computational Fluid Dynamics	8 Weeks	2	Prof. Vengadesan	IITM	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nd1_noc20_me64/preview
09	noc20-me65	Mechanical Engineering	Advances in welding	8 Weeks	2	Prof. Swarup Bag	IITG	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nd1_noc20_me65/preview



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			and joining technologies						2020	27, 2020	
10	noc20-me69	Mechanical Engineering	Product Design and Development	4 Weeks	1	Prof. Inderdeep Singh	IITR	July 20, 2020	August 14, 2020	September 27, 2020	https://swayam.gov.in/nid1_noc20_me69/preview
11	noc20-me70	Mechanical Engineering	Work System Design	12 Weeks	3	Prof. Inderdeep Singh	IITR	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/nid1_noc20_me70/preview
12	noc20-me71	Mechanical Engineering	Refrigeration and air-conditioning	8 Weeks	2	Prof. Ravi Kumar	IITR	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nid1_noc20_me71/preview
13	noc20-me72	Mechanical Engineering	Principles of Metal Forming Technology	8 Weeks	2	Prof. Pradeep Kumar Jha	IITR	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nid1_noc20_me72/preview
14	noc20-me75	Mechanical Engineering	Fluid dynamics and turbomachines	8 Weeks	2	Prof. Dhiman Chatterjee Prof. Shamit Bakshi	IITM	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nid1_noc20_me75/preview



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15	noc20-me76	Mechanical Engineering	Advanced Machining Processes	8 Weeks	2	Prof. Manas Das	IITG	August 17, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/noc20-me76/preview
16	noc20-me77	Mechanical Engineering	Principle of Hydraulic Machines and System Design	8 Weeks	2	Prof. Pranab K. Mondal	IITG	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/noc20-me77/preview
17	noc20-me81	Mechanical Engineering	Fundamentals of Convective Heat Transfer	12 Weeks	3	Prof. Amaresh Dalal	IITG	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/noc20-me81/preview
18	noc20-me82	Mechanical Engineering	Computational Fluid Dynamics using Finite Volume Method	12 Weeks	3	Prof. Kameswararao Anupindi	IITM	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/noc20-me82/preview
19	noc20-me83	Mechanical Engineering	Selection Of Nanomaterials For	4 Weeks	1	Prof. Kaushik Pal	IITR	July 20, 2020	August 14, 2020	September 27, 2020	https://swayam.gov.in/noc20-me83/preview



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			Energy Harvesting And Storage Application								
20	noc20-me87	Mechanical Engineering	Steam Power Engineering	8 Weeks	2	Prof. Vinayak N. Kulkarni	IITG	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nid1_noc20_me87/preview
21	noc20-me90	Mechanical Engineering	Aircraft Propulsion	12 weeks	3	Prof. Vinayak N. Kulkarni	IITG	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/nid1_noc20_me90/preview
22	noc20-me91	Mechanical Engineering	Basics Of Finite Element Analysis-I	8 weeks	2	Prof. Nachiketa Tiwari	IITK	August 17, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/nid1_noc20_me91/preview
23	noc20-me93	Mechanical Engineering	BioMEMS And Microfluidics	8 weeks	2	Prof. Shantanu Bhattacharya	IITK	July 20, 2020	September 11, 2020	September 27, 2020	https://swayam.gov.in/nid1_noc20_me93/preview
24	noc20-me94	Mechanical Engineering	Engineering Metrology	12 weeks	3	Prof. J. Ramkumar	IITK	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/nid1_noc20_me94/preview



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(As per Ordinance No 4C Bachelor of Technology 4 year Degree course Para 3.4 and 3.5)
List of permitted MOOC'S COURSES along with their credits for B.Tech. students of RGPV.
For the session July – December 2020

S.No.	Course id	Discipline	Course Name	Duration	RGPV Credit	SME Name	Institute	Course Start Date	Course End Date	Exam date	Click here to Join the Course
										2020	
25	noc20-me95	Mechanical Engineering	Introduction to Composites	12 weeks	3	Prof. Nachiketa Tiwari	IITK	July 20, 2020	October 9, 2020	October 18, 2020	https://swayam.gov.in/noc20-me95/preview