

1.2.1 Q_nM	<p>Percentage of new courses introduced out of the total number of courses across all programmes offered during the last five years</p> <p>1.2.1.1: How many new courses were introduced during the last five years 1.2.1.2 : Number of courses offered by the institution across all Programmes during the last five years</p> <p>Data Requirement for last five years: (As per Data Template)</p> <ul style="list-style-type: none"> Name of the new course introduced Name of the Programme <p>Formula:</p> $\frac{\text{Number of new courses introduced during the last five years}}{\text{Total Number of courses offered during the last five years}} \times 100$ <p style="text-align: right;">197/460</p> <p>File Description (Upload)</p> <ul style="list-style-type: none"> Minutes of the relevant Academic Council/BOS meetings Any additional information Institutional data in prescribed format (Data Template as in 1.1.3) 	30
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Data template:

Serial no	Name of the Course	Year of introduction	Link to the relevant document
1	Accounting and finance for sustainability	05.07.2017	40th AC
2	Advance Climate Modelling	12.06.2018	43AC
3	Advanced Logistics & Supply Chain Management	12.06.2018	43AC
4	Advances in GIS and current trend	26.07.2019	46AC
5	Advances in Remote Sensing [Thermal, Hyperspectral, Microwave, LIDAR and UAV]	26.07.2019	46AC
6	Agriculture and rural development	13.11.2017	41AC
7	Application of Quantitative Data Analysis in Development Practice (SDP)	12.06.2018	43AC
8	Applications of Geoinformatics for Atmosphere	26.07.2019	46AC
9	Applications of Geoinformatics for Land Resources	26.07.2019	46AC
10	Applications of Geoinformatics for water resources	26.07.2019	46AC
11	Applied geoinformatics for water resources	26.07.2019	46AC
12	Applied Mathematics(Bridge)	05.07.2017	40th AC
13	Applied numerical methods	05.07.2017	40th AC
14	Art & Sustainability	12.06.2018	43AC
15	Assessing Public Policy : methods and Measurements	13.11.2017	41AC
16	Basic Computer Programming(Bridge)	05.07.2017	40th AC
17	Basic course in Economics(Bridge)	05.07.2017	40th AC
18	Basic Principles of Geo-informatics	05.07.2017	40th AC
19	Basics of climate Science	05.07.2017	40th AC
20	Bio-fuels and decentralized Energy Systems	05.07.2017	40th AC
21	Biomass and other renewable technologies	05.07.2017	40th AC
22	Biotechnology Law	23.12.2016	39AC
23	Building energy and green building	05.07.2017	40th AC
24	Business and Taxation Laws	23.12.2016	39AC
25	Business to Business marketing	05.07.2017	40th AC
26	Business, Natural Ecosystems and Community	12.06.2018	43AC
27	Challenges of a digital economy	05.07.2017	40th AC
28	Cities	23.12.2016	39AC
29	City and Regional Planning and Management	23.12.2016	39AC
30	Climate Change and Disaster Risk Reduction	12.06.2018	43AC
31	Climate Change and Law	23.12.2016	39AC
32	Climate Change and Public Health	13.11.2017	41AC

33	Climate Change and Water	13.11.2017	41AC
34	Climate change Mitigation	05.07.2017	40th AC
35	Climate Change Vulnerability and Adaptation	13.11.2017	41AC
36	Climate Lab	05.07.2017	40th AC
37	Communities and Conservation	13.11.2017	41AC
38	Competition Law and Policy	13.11.2017	41AC
39	Concept & Theories of Development	05.07.2017	40th AC
40	Contracts Law and Management	23.12.2016	39AC
41	Conventional energy and environmental implications	05.07.2017	40th AC
42	Corporate Accounting and Reporting	23.12.2016	39AC
43	Corporate Finance	23.12.2016	39AC
44	Corporate Governance- evolution, challenges, and future direction	05.07.2017	40th AC
45	Corporate Social Responsibility	12.06.2018	43AC
46	Design Thinking	12.06.2018	43AC
47	Development Economics	12.06.2018	43AC
48	Digital Image Processing and Information Extraction (Geoinformatics) Programme)	13.11.2018	44AC
49	Earth system Sciences	05.07.2017	40th AC
50	Econometrics	12.06.2018	43AC
51	Economic and financial evaluation of water infrastructure	26.07.2019	46AC
52	Economics of Climate Change	12.06.2018	43AC
53	Economics of Infrastructure and Pricing Strategies	23.12.2016	39AC
54	Ecosystem services and communities	05.07.2017	40th AC
55	Ecosystems and Climate Change	12.06.2018	43AC
56	Electricity Law, Reforms and Practice	23.12.2016	39AC
57	Energy Audit and Management	12.06.2018	43AC
58	Energy auditing	05.07.2017	40th AC
59	Energy conservation and management	05.07.2017	40th AC
60	Energy economics	05.07.2017	40th AC
61	Energy Efficient Buildings	23.12.2016	39AC
62	Energy efficient buildings	05.07.2017	40th AC
63	Energy Lab – I (Power system lab and Heat transfer lab)	05.07.2017	40th AC
64	Energy lab – II	05.07.2017	40th AC
65	Energy Law	23.12.2016	39AC
66	Energy policy and sustainable development	05.07.2017	40th AC
67	Energy Simulation Laboratory	12.06.2018	43AC
68	Energy Systems Modeling	12.06.2018	43AC
69	Energy: Science, Technology and Policy	05.07.2017	40th AC
70	Entrepreneurship Development and Management	05.07.2017	40th AC
71	Environment and Economic Development	12.06.2018	43AC
72	Environmental Aspects of Business Activities	23.12.2016	39AC
73	Environmental Economics	26.07.2019	46AC
74	Environmental law and policy	05.07.2017	40th AC
75	Environmental Statistics	05.07.2017	40th AC
76	Financial Intermediaries, Institutions and Markets	05.07.2017	40th AC
77	Fluid mechanics and wind turbine models	05.07.2017	40th AC
78	Forest Law and Policy	23.12.2016	39AC
79	Fundamentals of Computers and Programming	12.06.2018	43AC
80	Fundamentals of Management	12.06.2018	43AC
81	Fundamentals of Physics	12.06.2018	43AC
82	Fundamentals of thermal and electrical engineering	05.07.2017	40th AC
83	Geocomputation	26.07.2019	46AC
84	Geoinformatics for Urban Development	23.12.2016	39AC
85	Governance and law	05.07.2017	40th AC
86	Grid Integration of Renewable Energy	12.06.2018	43AC

87	Growth Economics	12.06.2018	43AC
88	Hazardous Waste Law	13.11.2017	41AC
89	Health Finance	12.06.2018	43AC
90	Heat transfer	05.07.2017	40th AC
91	Impacts of Climate Change	05.07.2017	40th AC
92	Independent Study	12.06.2018	43AC
93	India and the world	05.07.2017	40th AC
94	India: major policy issues: Education, health and infrastructure in India	05.07.2017	40th AC
95	Indian Agricultural Development: Contemporary Issues	26.07.2019	46AC
96	Industrial development and sustainability	05.07.2017	40th AC
97	Infrastructure organization and HR	23.12.2016	39AC
98	Infrastructure Project Finance	23.12.2016	39AC
99	Infrastructure Project Finance Law	23.12.2016	39AC
100	Innovation and Change Management for Infrastructure Projects	23.12.2016	39AC
101	Innovation in public management	05.07.2017	40th AC
102	International Environmental Law	23.12.2016	39AC
103	Introduction to Climate Modelling	13.11.2017	41AC
104	Introduction to Geographic Information system	26.07.2019	46AC
105	Introduction to Geographic Information System (GIS)	12.06.2018	43AC
106	Introduction to management techniques – I	05.07.2017	40th AC
107	Introduction to management techniques-II	05.07.2017	40th AC
108	Introduction to sustainable development	05.07.2017	40th AC
109	Introduction to uncertainty and Risk Analysis	05.07.2017	40th AC
110	IT and System Infrastructure	05.07.2017	40th AC
111	Labour Economics	13.11.2017	41AC
112	Law and Policy for Maps and Remote Sensing (Geoinformatics) Programme)	13.11.2018	44AC
113	Legal Aspects of Bidding and Public Private	23.12.2016	39AC
114	Legal Aspects of Business (Department of Business and Sustainability)	13.11.2018	44AC
115	Logistics and Supply Chain Management	23.12.2016	39AC
116	Macroeconomic Environment	23.12.2016	39AC
117	Macroeconomics	13.11.2017	41AC
118	Major Policy Issues - Education, Health and Infrastructure in India	13.11.2017	41AC
119	Major project part 1	05.07.2017	40th AC
120	Management Information System	23.12.2016	39AC
121	Management Information System (Department of Business and Sustainability)	13.11.2018	44AC
122	Mathematical Methods for Economics	12.06.2018	43AC
123	Methods of Research in Economics	26.07.2019	46AC
124	Microeconomics	12.06.2018	43AC
125	Mining and Mineral Laws	23.12.2016	39AC
126	Multivariate Data Analysis	05.07.2017	40th AC
127	Nanomaterials: Introduction and applications	05.07.2017	40th AC
128	Natural Resource Economics	26.07.2019	46AC
129	Operations Research	23.12.2016	39AC
130	Optimization techniques for energy management and planning	05.07.2017	40th AC
131	Organizational Behaviour and Leadership	12.06.2018	43AC
132	Partnership	23.12.2016	39AC
133	Photogrammetry (MSc (Geoinformatics) Programme)	13.11.2018	44AC
134	Policy lab-I	05.07.2017	40th AC
135	Policy perspectives on water	13.11.2017	41AC
136	Power system engineering	05.07.2017	40th AC

137	Principles of Cartography	12.06.2018	43AC
138	Principles of GIS and GNSS	12.06.2018	43AC
139	Principles of Remote Sensing	12.06.2018	43AC
140	Probability and Statistics	12.06.2018	43AC
141	Programming in Geoinformatics (Geoinformatics Programme)	13.11.2018	44AC
142	Project Development and Management	23.12.2016	39AC
143	Public management : Issues and challenges with special reference to India	13.11.2017	41AC
144	Public Policy Processes and Institutions	13.11.2017	41AC
145	Qualitative research methods and technical writing	26.07.2019	46AC
146	Quality Management	23.12.2016	39AC
147	Real Estate Development	23.12.2016	39AC
148	Regeneration and City Competitiveness	23.12.2016	39AC
149	Renewable energy policy and regulations	05.07.2017	40th AC
150	Renewable energy project management	05.07.2017	40th AC
151	Renewable energy resource characteristics	05.07.2017	40th AC
152	Renewable Energy Technologies	12.06.2018	43AC
153	Research and Publication Ethics	16.07.2021	48AC
154	Research Methodology	23.12.2016	39AC
155	Research Methodology	05.07.2017	40th AC
156	Research Methodology	26.07.2019	46AC
157	Research Methodology	16.07.2020	48AC
158	Services	23.12.2016	39AC
159	Smart Grid	12.06.2018	43AC
160	Social Entrepreneurship	12.06.2018	43AC
161	Social, economic and health dimensions of water, sanitation and hygiene	05.07.2017	40th AC
162	Society and development policy	05.07.2017	40th AC
163	Solar Photovoltaic Power Generation	12.06.2018	43AC
164	Solar technologies	05.07.2017	40th AC
165	Solar Thermal Power Generation	12.06.2018	43AC
166	Spatial Data Modelling and its Applications (Geoinformatics) Programme)	13.11.2018	44AC
167	Spatio Temporal Data Analysis	13.11.2017	41AC
168	Statistical Methods for Management	05.07.2017	40th AC
169	Stochastic Modelling for Urban Development	23.12.2016	39AC
170	Strategic Communication and Stakeholder Engagement	23.12.2016	39AC
171	Sustainability Reporting	12.06.2018	43AC
172	Sustainable consumption and production	05.07.2017	40th AC
173	Sustainable Provision and Management of Urban	23.12.2016	39AC
174	Sustainable Urban Transport	23.12.2016	39AC
175	Sustainable Urban Transport	05.07.2017	40th AC
176	Sustainable Urbanization	13.11.2017	41AC
177	Technical Writing (Communication skills and technical writing)	23.12.2016	39AC
178	Technical Writing (Communication skills and technical writing)	05.07.2017	40th AC
179	Telecommunication Law	23.12.2016	39AC
180	Theories of Urbanisation	23.12.2016	39AC
181	Trade, Development and Environment	26.07.2019	46AC
182	Urban Development Policies and Programmes	23.12.2016	39AC
183	Urban Disaster Management and Climate Resilient	23.12.2016	39AC
184	Urban disaster management and climate resilient cities	05.07.2017	40th AC
185	Urban Ecology and Environment	23.12.2016	39AC
186	Urban Finance	23.12.2016	39AC
187	Urban Governance	23.12.2016	39AC

188	Urban Governance	12.06.2018	43AC
189	Urban housing policy and practice	05.07.2017	40th AC
190	Urban Infrastructure Law & Management	23.12.2016	39AC
191	Urban systems modelling	05.07.2017	40th AC
192	Urban Water Supply and Waste Water	23.12.2016	39AC
193	Waste to Energy	12.06.2018	43AC
194	Water Resources law	13.11.2017	41AC
195	Water science and policy	05.07.2017	40th AC
196	Wind power generation	05.07.2017	40th AC
197	Wind, small hydro and RE hybrid systems	05.07.2017	40th AC

DVV requirement

Documents Needed

- List of new courses introduced program-wise during the last five-year period as certified by the Registrar.
- Minutes of the relevant Academic Council/BOS meetings highlighting the name of the new courses introduced

Specific instruction to HEI

Refer the Glossary in the manual to understand the terminologies: COURSE, PROGRAM

Avoid the following while uploading data