

**MINUTES OF 11th MEETING
OF
BOARD OF STUDIES (BOS)**

**DEPARTMENT OF
CIVIL ENGINEERING
(INSTITUTE OF ENGINEERING &
TECHNOLOGY)**



MAY 04, 2019

**CIVIL ENGINEERING DEPARTMENT
GLA UNIVERSITY MATHURA UTTAR PRADESH**

Minutes of the 11th Meeting of BOS 2108-19 held on Date: 04/05/2019

The eleventh meeting of board of studies of the department of Civil Engineering was held on 4th of May 2019 in Room N 121, Block VIII from 11 A.M. onwards.

Members present:

1. Prof. Sudhir Goyal
2. Dr. Rajesh Goyal Dean NICMAR, Bahadurgarh, NCR
3. Mr. Arvind Mittal, Chief Engineer, NR, Baroda House, New Delhi
4. Dr. Nakul Gupta
5. Mr. Atul Soni
6. Mr. Priyam Sharma

The Eleventh meeting for Academic Session 2018-19 was held on 4/5/19. The meeting was chaired by Prof Sudhir Goyal. The meeting started with welcome note to all members, especially to Prof Rajesh Goyal, Mr. Arvind Mittal and members from Civil Engineering Department by Prof Sudhir Goyal. The minutes were during the meeting were as follows

Agenda Item-11.1: To confirm the minutes of tenth meeting of the board of studies held on November 19th, 2018.

The minutes of meeting of 10th BOS held on November 19th, 2018 were implemented.

Agenda Item-11.2: To report the action taken on the minutes of Board of Studies held on November 19th, 2018

Approved by Academic Council and implemented. No action pending.

Agenda Item-11.3: To consider and approve the modification/ upgradation/ revision in syllabus of existing courses.

On the basis of feedback received from various stakeholders (students, faculty, alumni, employer) the revision /upgradation/ modification in syllabus of existing courses in various programmes is proposed as follows:

Programme	No. of courses under consideration for revision	Name of courses under consideration for revision
B.Tech (Civil Engineering)	6	<ul style="list-style-type: none"> • Airport Planning & Design • Structural analysis • Design of Reinforced Concrete Structure • Transportation Engineering • Transportation Systems and Planning • Hydraulic Structures.

Members considered and approved the same.

Syllabus of the above courses are enclosed as annexure I

Agenda Item-11.4: To consider and approve introduction of new courses in the existing programmes.

Based on the feedback of various stakeholders (Faculty, Alumni, Corporate and Students) department presented details of new courses to be introduced. After through discussion board approves the same. (Annexure II)

Agenda Item-11.5: Approval of the syllabus of CE Dept. new PG program of M.Tech in Transportation Engineering and syllabus to be adopted as per CBCS scheme.

Member of BOS approved the syllabus of CE Dept. new PG program of M.Tech in Transportation Engineering and syllabus to be adopted as per CBCS scheme. (Annexure III)

Agenda Item-11.6: Approval of the syllabus of CE Dept. new PG program of MBA in Construction Management and syllabus to be adopted as per CBCS scheme.

Member of BOS approved the syllabus of CE Dept. new PG program of MBA in Construction Management and syllabus to be adopted as per CBCS scheme. (Annexure IV)

Agenda Item-11.7: To consider and approve courses recommended by Training & Development Department

Training & Development Department of the University recommended to get the syllabi of few courses approved in the Board of Studies Meeting of the department. Same was presented in front of the board. After due discussions, the board approved the same whose details are as follows:

Year & Semester	Code & Title of the Course
III Year, V Sem	BTDH 0303, Soft Skills - III
III Year, VISEm	BTDH 0304, Soft Skills - IV

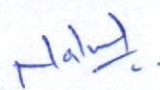
(Annexure V)

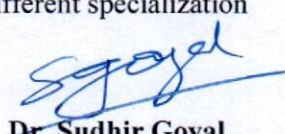
Agenda Item-11.8: To consider and approve the list of courses having focuses on Skill development/ Entrepreneurship/ Employability

The members considered and approved the list of courses having focuses on Skill development/ Entrepreneurship/ Employability in relevant programme. (Annexure VI)

Agenda Item-11.9: The BOS suggested to break electives in MBA Construction Management syllabus in two different Semester.

Agenda Item-11.10: The BOS suggested to divide electives as per different specialization


Dr Nakul Gupta
Module Coordinator: MBA Construction Management


Dr. Sudhir Goyal
Head of Department


Mr. Atul Soni
Module Coordinator: M.Tech Transportation Engineering

Enclosures.: As above

CC : PA to Chancellor for kind information of the Chancellor
PA to Pro-Chancellor for kind information of the Chancellor
PA to Vice Chancellor for kind information of the Vice- Chancellor
PA to Pro-Vice Chancellor for kind information of the Pro-Vice Chancellor
Registrar
Dean Academics
Controller of Examination
Members of the Board of Studies

ANNEXURE VI

GLA University, Mathura
Department of Civil Engineering

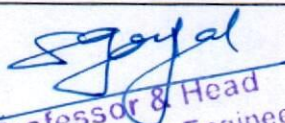
Annexure - VI

List of courses having focus on employability/ entrepreneurship/ skill development offered by the Department

S.No.	Name of the Course	Focus on Employability/ Entrepreneurship/ Skill development
1	Engineering Mathematics I	Skill development
2	Engineering Chemistry	Skill development
3	Engineering Physics	Skill development
4	English Language Skills for Communication - I	Skill development
5	Basic Mechanical Engineering	Skill development
6	Engineering Mathematics II	Skill development
7	English Language Skills for Communication - II	Skill development
8	Basic Electrical Engineering	Skill development
9	Fundamental of Mechanics	Skill development
10	Engineering Physics Laboratory	Skill development
11	English Language Laboratory - I	Skill development
12	Engineering Workshop Practice Laboratory	Skill development
13	Engineering Chemistry Laboratory	Skill development
14	English Language Laboratory - II	Skill development
15	Electronics Laboratory	Skill development
16	Electrical Engineering Laboratory	Skill development
17	Computer Programming	Skill development
18	Computer Programming Laboratory	Skill development
19	English for Professional Purposes -I	Skill development
20	Engineering Mathematics	Skill development
21	Soft Skills-I	Skill development
22	English for Professional Purposes -II	Skill development
23	Soft Skills-II	Skill development
24	Soft Skills - III	Skill development
25	Industrial Management	Skill development
26	Non- Conventional Energy Resources	Entrepreneurship
27	Soft Skills - IV	Skill development
28	Surveying and Geoinformatics	Entrepreneurship
29	Surveying Laboratory	Skill development
30	Geoinformatics Laboratory	Entrepreneurship
31	Basic CAD Laboratory	Skill development
32	Mechanics of solids	Skill development
33	Structural analysis	Skill development
34	Design of Reinforced Concrete Structure	Employability
35	Design of Steel Structure	Skill development
36	Quantity Surveying and Estimation	Skill development
37	Geoinformatics	Skill development
38	Mechanics of fluid	Skill development
39	Open channel hydraulics	Employability
40	Water Resource Engineering	Employability
41	Geotechnical Engineering	Employability
42	Transportation Engineering	Employability
43	Environmental Engineering	Employability
44	Fluid Mechanics Laboratory	Skill development
45	Structural analysis Laboratory	Skill development
46	Structural Detailing Laboratory	Skill development
47	CAD Laboratory	Skill development
48	Geotechnical Engineering Laboratory	Skill development
49	Transportation Engineering Laboratory	Skill development
50	Environmental Engineering Laboratory	Skill development
51	Channel Hydraulics Laboratory	Skill development
52	Industrial Pollution Control and Environment Audit	Employability
53	Advanced Design of Steel Structure	Employability
54	Bridge Engineering	Employability
55	Advanced Design of Concrete Structure	Employability
56	Matrix Analysis of Structure	Employability

S. Goyal
Professor & Head
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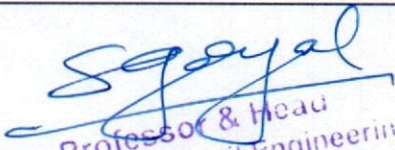
57	Plastic Analysis of Structure	Employability
58	Construction Engineering	Employability
59	Introduction to Earthquake Engineering	Employability
60	Structural Dynamics	Employability
61	Advanced Construction Engineering	Employability
62	Earthquake Resistant Design	Employability
63	Construction Engineering Laboratory	Skill development
64	Computational Laboratory for Seismic Analysis	Skill development
65	Construction Engineering Project	Employability
66	Earthquake Resistant Design Project	Employability
67	Foundation Engineering	Employability
68	Ground Improvement Engineering	Employability
69	Earth and Earth retaining structure	Skill development
70	Geotechnical Exploration & Measurement Technique	Skill development
71	Advanced Foundation Design	Employability
72	Advanced Foundation Engineering	Employability
73	Geosynthetic And Reinforced Soil Structures	Employability
74	Foundation Engineering Laboratory	Skill development
75	Geosynthetics Testing Laboratory	Skill development
76	Foundation Engineering Project	Employability
77	Geosynthetic And Reinforced Soil Structures Project	Employability
78	Engineering Hydrology	Employability
79	Ground Water Management	Employability
80	Hydro Power Engineering	Employability
81	Hydraulic Structures	Employability
82	Introductory Rural water Supply	Employability
83	Introduction to Climate Change studies	Employability
84	Advanced Geoinformatics	Employability
85	Applied Hydrology	Employability
86	Advanced Climate Change and Modelling	Employability
87	Advanced Water Treatment Technologies	Employability
88	Applied Hydrology Laboratory	Skill development
89	Experimental Analysis of Climate	Employability
90	Advanced Water Treatment Technologies Laboratory	Employability
91	Applied Hydrology Project	Employability
92	Climate Change Modelling Project	Employability
93	Water Treatment Project	Employability
94	Railway Engineering	Employability
95	Basics of Transportation System and Planning	Employability
96	Airport Planning and design	Employability
97	Basics of Traffic Engineering	Employability
98	Construction Technology & Management	Employability
99	Transportation System and Planning	Employability
100	Advanced Traffic Engineering	Employability
101	Computer Aided Estimation & Planning Laboratory	Employability
102	Traffic Simulation And Analysis Laboratory	Employability
103	Traffic Engineering Laboratory	Employability
104	Transportation System and Planning Project	Employability
105	Advanced Traffic Engineering Project	Employability
106	Mini Project - I	Employability
107	Industrial Training	Employability
108	Mini Project - II	Employability
109	Finite Element Analysis	Employability
110	Environmental Impact Assessment	Employability
111	Solid and Hazardous waste Management	Employability
112	Environmental Sustainable Technologies	Employability
113	Air Noise Pollution Control	Employability
114	Steel Structures I	Employability
115	Water Resources Engineering	Employability
116	Transportation Engineering -II	Employability
117	Industrial Training	Employability
118	Project	Employability
119	Construction Technology and Management	Employability
120	Earthquake Resistant Design	Employability


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121	Steel Structures II	Employability
122	Project	Employability
123	Matrix Analyses of Structures	Employability
124	Hydropower Engineering	Employability
125	Ground Improvement Engineering	Employability
126	Transportation Systems and Planning	Employability
127	Rural Water Supply and Sanitation	Employability
128	Modern Surveying Techniques	Employability
129	Finite Element Method	Employability
130	Hydraulic Structures	Employability
131	Earth and Earth Retaining Structures	Employability
132	Environmental Management for Industries	Employability
133	Machine Foundation Design	Employability
134	Plastic Analyses of Structures	Employability
135	Advanced Foundation Design	Employability
136	Town Planning and Architecture	Employability
137	Industrial Pollution Control and Environmental Audit	Employability
138	Ground Water Management	Employability
139	Advanced Concrete Designs	Employability
140	Advanced Mechanics Of Solids	Employability
141	Advanced Structural Analysis	Employability
142	Advanced Design Of Metal Structures	Employability
143	Numerical Analysis And Computer Programming	Employability
144	Structural Dynamics	Employability
145	Finite Element Method	Employability
146	Design Of Prestress Concrete Structures	Employability
147	Cad Laboratory-I	Employability
148	Advanced Concrete Design	Employability
149	Earthquake Resistant Design	Employability
150	Advanced Concrete Technology	Employability
151	Concrete Technology Laboratory	Employability
152	Introduction To Bridge Design	Employability
153	Construction Management And Equipments	Employability
154	Dissertation-I	Employability
155	Cad Laboratory-II	Employability
156	Dissertation -II	Employability
157	Advance Concrete Technology	Employability
158	Non-Conventional Construction Materials & Elements	Employability
159	High Rise Structures	Skill development
160	Durability Assessment And Structural Strengthening Of Reinforced Concrete	Employability
161	Experimental Stress Analysis	Skill development
162	Optimization Methods In Civil Engineering	Employability
163	Soft Computing Methods For Civil Engineering	Employability
164	Soil Structure Interaction	Employability
165	Theory Of Plates And Shells	Employability
166	Retrofitting Of Structures	Employability
167	Design Of Offshore And Marine Structures	Employability
168	Advanced Traffic Engineering	Employability
169	Pavement Analysis and Design	Employability
170	Highway Soil Mechanics	Employability
171	Numerical Methods and Applied Statistics	Employability
172	Transportation Economics and Evaluation	Employability
173	Modelling analysis and Simulation Lab	Skill development
174	Advanced Railway Engineering	Employability
175	Urban Transportation Planning	Employability
176	Environmental Impact and Risk Assessment	Employability
177	Ground Improvement Techniques	Employability
178	Introduction to Remote Sensing and GIS	Employability
179	Application of Remote Sensing & GIS in Transportation Engineering	Employability
180	Highway Construction, Quality Control & Maintenance	Employability
181	Intelligent Transportation System	Employability
182	Airport Planning and Design	Employability
183	Advanced Concrete Technology	Employability
184	Finite Element Method	Employability


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185	Design of Reinforced Concrete Bridges	Employability
186	Soil Structure Interaction	Employability
187	Road Materials and New Innovations in Pavement Engineering	Employability
188	Highway Construction Practices	Employability
189	Computer Aided Transportation Engineering Lab	Employability
190	Project Management	Employability
191	Construction Economics	Employability
192	Quantity Surveying	Employability
193	Marketing Management	Employability
194	Construction Methods and Techniques	Employability
195	Research Methodology	Entrepreneurship
196	Safety and Health Management	Employability
197	Construction Equipment Management	Employability
198	Business Communication-I	Employability
199	Construction Materials Management	Employability
200	Human Resource Management	Entrepreneurship
201	Building Science and Services	Employability
202	Financial Management	Entrepreneurship
203	Conventional Construction Materials and Technology	Employability
204	Tendering and Bidding	Employability
205	Ground Improvement and Foundation Engineering	Employability
206	Port Engineering and Construction	Employability
207	Infrastructure Operations Management	Employability
208	Urban Transport Planning Design and Management	Employability
209	Urban Water and Waste Water Management	Employability
210	Principles and Practices of Real Estate Management	Employability
211	Urban Planning and Design	Employability
212	Highway Project Development	Employability
213	E-Business for Construction	Entrepreneurship
214	Non Conventional Construction Materials & Elements	Employability
215	Advanced Concrete Technology	Employability
216	Retrofitting of Structures	Employability
217	Pavement Analysis and Design	Employability
218	Numerical Methods and Applied Statistics	Employability
219	Research Methodology	Employability


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