

**Guru Nanak Dev Engineering College Ludhiana  
Civil Engineering Department**

Minutes of Meeting

The 10<sup>th</sup> BOS meeting held in the HoD office (Civil) on 09 February 2019 under the chair of Dr. K S Gill (Professor and BOS Chairman). The committee discussed the course scheme prepared by the department and it was finalised after the deliberations. The feedback and suggestions from the members were taken into the considerations.

The proposed syllabuses of 3rd and 4th semesters were also discussed in detail. The suggestions were taken into account and the syllabus was approved by the committee.

The approved scheme (given below) and a copy of the syllabus are circulated to the members for their record.

First Semester (GNDEC)							
S No	Category	Subject Code	Course Title	Hours Per Week			Credits
				L	T	P	
1	Basic Science Course	BSC-18101	Physics	3	1	0	4
2	Basic Science Course	BSC-18102	Physics Lab	0	0	2	1
3	Basic Science Course	BSC-18103	Mathematics-I	3	1	0	4
4	Humanities and Social Sciences including Management	HSMC-18101	Principles of Engineering Economics and Management	3	0	0	3
5	Engineering Science Course	ESC-18101	Basic Electrical Engineering	3	1	0	4
6	Engineering Science Course	ESC-18102	Basic Electrical Engineering Laboratory	0	0	2	1
7	Engineering Science Course	ESC-18103	Engineering Graphics and Design	1	0	4	3
8		MPD-18101	Mentoring and Professional Development	0	0	1	0
		<b>TOTAL</b>	<b>25</b>	<b>13</b>	<b>3</b>	<b>9</b>	<b>20</b>
Second Semester (GNDEC)							
S No	Category	Subject Code	Course Title	Hours Per Week			Credits
				L	T	P	

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1	Basic Science Course	BSC-18104	Mathematics-II	3	1	0	4
2	Basic Science Course	BSC-18105	Chemistry	3	1	0	4
3	Basic Science Course	BSC-18106	Chemistry Lab	0	0	2	1
4	Engineering Science Course	ESC-18104	Programming for Problem Solving	3	1	0	4
5	Engineering Science Course	ESC-18105	Programming for Problem Solving Laboratory	0	0	2	1
6	Engineering Science Course	ESC-18106	Manufacturing Practices	0	0	4	2
7	Humanities and Social Sciences including Management	HSMC-18102	English	3	0	0	3
8	Humanities and Social Sciences including Management	HSMC-18103	English Laboratory	0	0	2	1
9		MPD-18101	Mentoring and Professional Development	0	0	1	0
		<b>TOTAL</b>		<b>26</b>	<b>12</b>	<b>3</b>	<b>11</b>

**Training- I:** 4 weeks industrial/institutional training (department specific) for which viva will be conducted along End Semester Exam of Third semester.

**Third Semester (GNDEC)**

S. No.	Category	Subject Code	Course Title	Hours per week			Credits
				L	T	P	
1	Professional Core courses	PCCE-101	Surveying & Geomatics	3	1	0	4
2	Professional Core courses	PCCE-102	Solid Mechanics	3	0	0	3
3	Professional Core courses	PCCE-103	Fluid Mechanics	3	0	0	3
4	Professional Core courses	PCCE-104	Disaster Preparedness & Planning	3	0	0	3
5	Engineering Science Course	ESCE-101	Basic Electronics & it's application in Civil Engineering	3	0	0	3

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6	Humanities and Social Sciences including Management	HSMCE-101	Civil Engineering- Introduction, Societal & Global Impact	3	0	0	3
7	Professional Core courses	LPCCE-101	Surveying & Geomatics Lab	0	0	2	1
8	Professional Core courses	LPCCE-102	Fluid Mechanics Lab	0	0	2	1
9	Professional Core courses	LPCCE-103	Solid Mechanics Lab	0	0	2	1
10	Project/Training	TRCE-101	Training - I	-	-	-	1
11			Mentoring and Professional Development	0	0	1	
<b>TOTAL</b>			<b>26</b>	<b>18</b>	<b>1</b>	<b>7</b>	<b>23</b>

**Fourth Semester (GNDEC)**

S No	Category	Subject Code	Course Title	Hours Per Week			Credits
				L	T	P	
1	Professional Core courses	PCCE-105	Concrete Technology	3	0	0	3
2	Professional Core courses	PCCE-106	Materials, Testing & Evaluation	4	0	0	4
3	Professional Core courses	PCCE-107	Hydrology & Water Resources Engineering	3	1	0	4
4	Professional Core courses	PCCE-108	Transportation Engineering	3	1	0	4
5	Basic Science Course	BSCE-101	Mathematics-III (Transform & Discrete Mathematics)	3	0	0	3
6	Professional Core courses	LPCCE-104	Concrete Testing Lab	0	0	2	1
7	Professional Core courses	LPCCE-105	Transportation Lab	0	0	2	1
8	Project	PRCE-101	Term Paper	0	0	2	1
9	Mandatory Courses (Non-credit)	MCI-101	Environmental Science	2	0	0	0
10			Mentoring and Professional Development	0	0	1	0
<b>TOTAL</b>			<b>27</b>	<b>18</b>	<b>2</b>	<b>7</b>	<b>21</b>

**Training-II: 4 weeks industrial/institutional training for which viva will be conducted along End**

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semester exam of Fifth semester.

**Fifth Semester (GNDEC)**

S No	Category	Subject Code	Course Title	Hours Per Week			Credits	
				L	T	P		
1	Professional Core courses	PCCE-109	Engineering Geology	3	0	0	3	
2	Professional Core courses	PCCE-110	Elements of Earthquake Engineering	3	0	0	3	
3	Professional Core courses	PCCE-111	Construction Planning & Management	3	0	0	3	
4	Professional Core courses	PCCE-112	Environmental Engineering	4	0	0	4	
5	Professional Core courses	PCCE-113	Structural Engineering	3	1	0	4	
6	Professional Core courses	PCCE-114	Geotechnical Engineering	3	0	0	3	
7	Professional Core courses	LPCCE-106	Geotechnical Lab	0	0	2	1	
8	Professional Core courses	LPCCE-107	Environmental Engineering Lab	0	0	2	1	
9	Professional Core courses	LPCCE-108	Structural Lab	0	0	2	1	
10	Project/Training	TRCE-102	Training - II	-	-	-	1	
11			Mentoring and Professional Development	0	0	1	0	
			<b>TOTAL</b>	<b>27</b>	<b>19</b>	<b>1</b>	<b>7</b>	<b>24</b>

**Sixth Semester (GNDEC)**

S No	Category	Subject Code	Course Title	Hours Per Week			Credits
				L	T	P	
1	Professional Core courses	PCCE-115	Estimation, Costing and Tendering	3	1	0	4
2	Professional Core courses	PCCE-116	Construction Techniques & Practices	3	0	0	3
3	Professional Elective courses	PECE-XXX	Elective - I	3	1	0	4
4	Professional Elective courses	PECE-XXX	Elective - II	3	1	0	4
5	Professional Core courses	LPCCE-109	CAD Lab	0	0	2	1

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6	Professional Core courses	LPCCE-110	BIM Lab	0	0	2	1
7	Open Elective courses	OEZZ-XXX	Open Elective – I	3	0	0	3
8	Project	PRCE-102	Minor Project	0	0	4	2
9	Mandatory Courses (Non-credit)	MCI-102	Constitution of India	2	0	0	0
10			Mentoring and Professional Development	0	0	1	0
<b>TOTAL</b>				<b>29</b>	<b>17</b>	<b>3</b>	<b>9</b>

**Training-III:** 6 weeks industrial/institutional training for which viva will be conducted along End semester exam of Seventh semester.

**Seventh Semester (GNDEC)**

S No	Category	Subject Code	Course Title	Hours Per Week			Credits
				L	T	P	
1	Professional Elective courses	PECE-XXX	Elective – III	3	1	0	4
2	Professional Elective courses	PECE-XXX	Elective – IV	3	1	0	4
3	Open Elective courses	OEZZ-XXX	Open Elective – II	3	0	0	3
4	Project	PRCE-103	Project - I (Project work / internship in industry or at appropriate work place)	0	0	6	3
5	Project/Training	TRCE-103	Training - III	-	-	-	2
6	Mandatory Courses (Non-credit)	MCI-103	Management- I (Organizational Behaviour)	2	0	0	0
7			Mentoring and Professional Development	0	0	1	0
				<b>20</b>	<b>11</b>	<b>2</b>	<b>7</b>

**Eighth Semester (GNDEC)**

S No	Category	Subject Code	Course Title	Hours Per Week			Credits
				L	T	P	
1	Professional Elective courses	PECE-XXX	Elective – V	3	1	0	4

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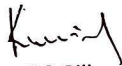
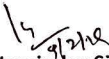





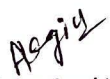
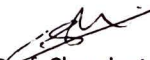

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2	Professional Elective courses	PECE-XXX	Elective – VI	3	1	0	4
3	Open Elective courses	OEZZ-XXX	Open Elective – III	3	0	0	3
4	Project	PRCE-104	Project -II (Project work / internship in industry or at appropriate work place)	0	0	6	3
5			Mentoring and Professional Development	0	0	1	0
		<b>TOTAL</b>		<b>18</b>	<b>9</b>	<b>2</b>	<b>7</b>
		<b>Total Credits (Four Years)</b>					<b>160</b>

 <u>Dr. K S Gill</u> (Professor & Chairman)	 <u>Dr. Harvinder Singh</u> (Member)	 <u>Dr. Jagbir Singh</u> (Member)
 <u>Dr. Gurdeepak Singh</u> (Member)	 <u>Dr. Prashant Garg</u> (Member)	<u>Dr. Naveen Kwatra</u> (Member- University Nominee)
 <u>Dr. Rajiv Chauhan</u> (Special Invitee & Chairman BOS (CE) IKG PTU)	 <u>Er. Jatindera Sharma</u> (Member)	
 <u>Prof. Amritpal Kaur</u> (Special Invitee)	 <u>Prof. Charnjeet Singh</u> (Special Invitee)	 <u>Prof. Gurbuneet Singh</u> (Special Invitee)