Agenda

15th Academic Council Meeting

SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS, FEROZEPUR

(NBA and NAAC Accredited Autonomous Technical Integrated Campus Established by Government of Punjab)

VENUE: **The meeting will be held in online mode**

DATE & TIME: 14-07-2020, 10:30 AM

CONTENTS

CONSITUTION OF ACADEMIC COUNCIL

S. No.	Nomenclature	Designation
1.	Dr. T. S. Sidhu, Director, SBSSTC Ferozepur	Ex-Officio Member Chairman
2.	Prof. (Dr.) Manjeet Bansal Dean Consultancy and Head of civil Engg. Department, Nominee of VC, MRSPTU, Bathinda	Member
3.	Prof. Karanveer Singh, Controller of Examination, Nominee of VC, MRSPTU, Bathinda	Member
4.	Dr. Vikas Chawla, HOD-Mechanical Engg, IKGPTU	Member
5.	Dr. Satvir Singh, Associate Professor, ECE, IKGPTU	Member
6.	Dr. Yadwinder Singh, HOD, Electrical Engg, IKGPTU	Member
7.	Dr. Sehajpal Singh, Principal, Guru Nanak Dev Engg. College, Ludhiana	Member
8.	Dr. Balwinder Singh, Professor, GZS Campus CET, Bathinda	Member
9.	Er. Lalit Sharma Managing Director. M/s Young Industrial Corporation, D-320, Phase -8, Focal Point, Ludhiana	Member
10.	Mr. Ajay Sharma, Chief Executive, Drish Shoes Pvt. Ltd, Jallandhar.	Member
11.	Dr. Lalit Sharma, Associate Director, SBSSTC Ferozepur	Member
12.	Dr. Ajay Kumar, Dean Post Graduate Studies, SBSSTC, Ferozpur	Ex-Officio Member
13.	Dr. Kultardeep Singh, Dean Accreditation and Autonomy, SBSSTC, Ferozpur	Ex-Officio Member
14.	Dr. Sunny Behal, Dean Academic Affairs, SBSSTC, Ferozpur	Ex-Officio Member
15.	Dr. Amit Arora, Dean students welfare, SBSSTC, Ferozepur.	Ex-Officio Member
16.	Dr. Rajiv Kumar Garg, Controller of Examination, SBSSTC, Ferozpur	Ex-Officio Member
17.	Dr. A.K. Tyagi, Professor, DASH, SBSSTC Ferozepur	Member
18.	Dr. Sangeeta Sharma, Head DASH, SBSSTC Ferozepur	Ex-Officio Member

19.	Mr. Sukhwant Singh, Head Mechanical Engineering, SBSSTC Ferozepur	Ex-Officio Member
20.	Mr. Sukhwant Singh, Head BSc Agriculture, SBSSTC Ferozepur	Ex-Officio Member
21.	Dr. Rajiv Arora, Head Chemical Engineering, SBSSTC Ferozepur	Ex-Officio Member
22.	Mrs. Navneet Kaur Head Electrical Engineering, SBSSTC Ferozepur	Ex-Officio Member
23.	Dr. Rajni, Head Electronics and Comm. Engineering, SBSSTC Ferozepur	Ex-Officio Member
24.	Mr. Japinder Singh, Head Computer Science Engineering, SBSSTC Ferozepur	Ex-Officio Member
25.	Mr Dapinder Deep Singh, Head Civil Engineering, SBSSTC Ferozepur	Ex-Officio Member
26.	Prof. Avinash Singh, Head, School of Architecture, SBSSTC, Ferozepur	Ex-Officio Member
27.	Ms Daljit Kaur, Head Computer Applications and Management	Ex-Officio Member
28.	Dr. M.K. Kushwaha, Associate Professor, ME, SBSSTC Ferozepur	Member
29.	Dr. Kultardeep Singh, Professor EE, SBSSTC Ferozepur	Member Secretary
30.	Dr. Rajiv Garg, Professor, Chemical Engg, SBSSTC Ferozepur	Member
31.	Dr. Tejeet Singh, Professor, ME, SBSSTC, Ferozepur	Member

Item No. 15.1: Confirmation of the proceedings of 14th meeting of Academic Council of SBSSTC, Ferozepur.

The approved proceedings of the 14th Meeting of the Academic Council held on 25-02-2020 were circulated to its members for information and comments, if any **(Annexure-I)**. No comments have been received.

The approved proceedings of 14th Meeting of the Academic Council are placed for confirmation please.

Item No.15.2: To report action taken on the decisions of the 14th meeting of the Academic Council of SBSSTC, Ferozepur.

Item No. 14.1 Confirmation of the proceedings of 13th meeting of Academic Council

Decision: The proceedings of the 13th meeting of Academic Council were confirmed as no comments have been received from any member of Academic Council.

Action: No action is called for.

Item No.14.2: To report action taken on the decisions of the 13th meeting of the Academic Council of SBSSTC, Ferozepur.

Decision: The action taken report was approved by Academic Council (AC).

Action: No action is called for.

Item No. 14.3 To review the continuation of academic autonomy granted by UGC.

Decision: The case of Academic Autonomy was discussed in detail keeping in view the current norms of extension of approval of AICTE, and, thereafter Academic Council has decided to surrender Academic Autonomy to UGC New Delhi. Accordingly, it was decided that institute should forward the

case of surrender of Academic Autonomy to IKGPTU Jalandhar for onward recommendation by IKGPTU Jalandhar to UGC New Delhi.

Action: The letter to surrender academic autonomy was sent to registrar IKGPTU Jalandhar and Director Technical Education via email.

Item No.14.4 Regarding not to start B. Voc. (construction technology).

Item No.14.5 Regarding not to start B. Voc. (solar technology).

Item No.14.6 Regarding not to start Post Graduate Diploma in Mobile Technology.

Item No.14.7 Regarding not to start Post Graduate Diploma in Digital Marketing.

Decision: All new courses to be started from new session 2020-21, which were approved in 13th meeting of Academic Council vide agenda item no 13.6 and item no. 13.20, were again reviewed and it was decided that following AICTE approved and Non-AICTE courses should be started from academic session 2020-21.

AICTE approved courses

1. B. Tech. Computer Science and Engineering (Data Science)
2. B. Tech. Computer Science and Engineering (Networking)
3. Diploma in Automobile Engineering

Non-AICTE Courses

1. B. Com.
2. B. Voc. (Data and Web Analytic)
3. PG Diploma in Cyber Security & Digital Forensics
4. Post Graduate Diploma in Automobile Engineering

Action: Institute has applied for getting approval of following course

AICTE approved courses

1. B. Tech. Computer Science and Engineering (Data Science)

Non-AICTE approved courses

1. B. Voc. (Data and Web Analytic)
2. PG Diploma in Cyber Security & Digital Forensics
3. B. Com.

Approval letters have been received for following courses

AICTE approved courses

1. B. Tech. Computer Science and Engineering (Data Science)

Non-AICTE approved courses

1. PG Diploma in Cyber Security & Digital Forensics
2. B. Com.

Approval of B. Voc. (Data and Web Analytic) will be granted after signing MOU with sector skill council.

Item No.15.3: Approval of Board of Studies of new Course B. Tech CSE (Data Science) and PG Diploma in Cyber Security and Digital Forensic (PGDCS)

Shaheed Bhagat Singh State Technical Campus has got approval to start two new courses from session 2020-21.

1. B. Tech. Computer Science and Engineering (Data Science)
2. PG Diploma in Cyber Security & Digital Forensics

To design the scheme and syllabus for above said courses, head of the department of Computer Science and Engineering (Data Science) proposed a

Board of studies keeping in view the approved board of studies of other departments in 13th meeting of Academic Council.

Sr No	Nomenclature as per UGC norms	Designation
1.	HOD Ex-Officio	Ex-Officio Chairman
2.	Faculty members of SBSSTC, Ferozepur	
	1. Mr. Japinder Singh, Associate Professor, CSE cum HoD-CSE	
	2. Mrs. Daljeet Kaur, Associate Professor, CSE cum HoD-CA	Member
	3. Dr. Gulshan Kumar, Associate Professor, CA	
	4. Dr. Vishal K Arora, Asst professor, CSE	
3.	Any two experts of the following 1. Dr. Prashant Singh Rana, Asso Professor, CSE Deptt, Thapar University, Patiala 2. Dr. Monit Kapoor, Asso. Professor, CSE Deptt, UPES, Dehradun 3. Mr. Ajay Rawat, Asst Professor (SS), CSE Deptt, UPES, Dehradun 4. Mr. Hukam Singh Rana, Asst Professor (SS), CSE Deptt, UPES, Dehradun	Member
4.	One expert to be nominated by the vice chancellor from a panel of six recommended by the institute Director/Chairman of Academic Council	Member
5.	One representative from Industry/Corporate sector out of following: 1. Representative, Campus Cxonnect Program, Infosys, India 2. Mr. Anil Palta, NIC, DC Complex, Ferozepur 3. Dr. Sarabjot Singh, Chief Data Scientist,	Member

	Tatras Data, New Delhi	
6.	One meritorious Alumnus to be nominated by the Campus Director/Chairperson of Academic Council 1. Mr. Ravi Sharma, Founder and CEO, Webomaze Technologies, Chandigarh (CSE 2005-2009) 2. Mr. Manish Goyal, CEO, DeviTech Solutions, Ferozepur (CSE 2007-2011) 3. Mr. Paras Jain, Project Lead, IQVIA, Noida (CSE 2007-2011)	Member
7.	The Chairman, Board of Studies, may with the approval of the Campus Director, co-opt: a) Experts from outside the institute whenever special courses of studies are to be formulated. b) Other members of staff of the same or other deptt c) Departmental TPO/Nominee of T&P Cell	Member

1. Immediate Ex-HOD of the department will be a member of the BOS.
2. Under Sr No. 3, Chairman, Academic Council is authorized to nominate any two experts from the list proposed by the department.

The BOS shall be constituted for 3 years.

Item is put up before the academic council for consideration and approval please.

Item No.15.4: Approval of Fee Structure of New Non-AICTE courses – Regarding

In 12th meeting of Academic Council, it was decided vide Agenda item No. 12.18 to charge the fee for non-AICTE courses as per IKGPTU norms. The fee structure of IKGPTU vide Letter no. IKGPTU/Reg/NF/85, Dated: 24-05-2020, to be charged from new Non-AICTE courses of B.Com (Hons.), PG Diploma

in Cyber Security and Digital Forensics and B.Voc (Data and Web Analytics) starting from the session July-Dec 2020 in this institute is attached as **ANNEXURE** 2.

Item is put up before the Academic council for consideration and approval, Please

Item No.15.5: Approval of minutes of 7th meeting Board of Studies (BOS) of Department of civil Engineering.

7th meeting of BOS of Department of Civil Engineering was held on 10/07/2020 at 12:30pm to finalize the syllabus of 5th semester under 2018 scheme. BOS recommended to follow IKGPTU syllabus for 5th semester under 2018 scheme. Minutes of meeting and recommended syllabus are attached as ANNEXURE 3.

Item No15.6: Ratification of decisions regarding examination May 2020 taken in meeting of HODs held on 12/5/2020 and 29/5/2020.

Keeping in view of the prevailing pandemic COVID-19 situation, meetings of HODs were held on 13/5/2020 and 29/5/2020 regarding the various issues through online mode. In these meetings, the decisions regarding examination for May 2020 session were also taken. The major decisions are mentioned hereunder:

1. The measures being deliberated are only limited to this session Jan-May 2020, due to unexpected conditions being faced in view of COVID pandemic.

2. The institute shall follow the IKGPTU/ AICTE guidelines for holding of end semester theory and practical examinations.

3. The mid semester examination and end semester practical examination are to be conducted online and the respective evaluation is to be compiled. In case, a student is unable to appear in this examination due to technical problems like internet connectivity etc., he/she may be given another chance as and when feasible. The

result of such candidates may be marked RESULT LATE without delaying the result declaration for other students.

4. The result of such candidates as mentioned in point no. 3 shall be compiled later on, using the mean and sigma values already used for compiling the result of the rest of the students.

5. The students may be allowed to apply for reappear examination without any late fee in this session, due to the peculiar conditions.

Accordingly, mid semester and the end semester practical examinations have been conducted online. The minutes are placed as **ANNEXURE 4**.

The matter is presented before the Academic Council for ratification please.

SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS

MOGA ROAD, FEROZEPUR-152004

Proceedings of the 14th Meeting of Academic Council of Shaheed Bhagat Singh State Technical Campus, Ferozepur, held on 25.02.2020 at 10:30 AM in the Conference Room, Block-D of the Institute under the Chairmanship of Dr. T.S. Sidhu, Director, SBSSTC Ferozepur.

The following were present:

S. No	Nomenclature	Designation
1.	Dr. T. S. Sidhu, Director, SBSSTC Ferozepur	Ex-Officio Chairman
2.	Dr. Balwinder Singh, Professor, GZS Campus CET, Bathinda	Member
3.	Dr. Satvir Singh, Associate Professor, ECE, IKGPTU	Member
4.	Dr. Yadwinder Singh, HOD, Electrical Engg, IKGPTU	Member
5.	Dr. Vikas Chawla, HOD-Mechanical Engg, IKGPTU	Member
6.	Dr. Lalit Sharma, Associate Director, SBSSTC Ferozepur	Member
7.	Dr. A.K. Tyagi, Professor, DASH, SBSSTC Ferozepur	Member
8.	Dr. Ajay Kumar, Dean Post Graduate Studies, SBSSTC, Ferozpur	Ex-Officio
9.	Dr. Kultar Deep Singh, Dean Accreditation and Autonomy, SBSSTC, Ferozpur	Ex-Officio
10.	Dr. Sunny Behal, Dean Academic Affairs, SBSSTC, Ferozpur	Ex-Officio
11.	Dr. Amit Arora, Dean students welfare, SBSSTC, Ferozepur.	Ex-Officio
12.	Dr. Rajiv Kumar Garg, Controller of Examination, SBSSTC, Ferozpur	Ex-Officio
13.	Dr. Sangeeta Sharma, Head DASH, SBSSTC Ferozepur	Ex-Officio
14.	Mr. Sukhwant Singh, Head Mechanical Engineering, SBSSTC Ferozepur	Ex-Officio
15.	Mr. Sukhwant Singh, Head BSc Agriculture, SBSSTC Ferozepur	Ex-Officio
16.	Dr. Rajiv Arora, Head Chemical Engineering, SBSSTC Ferozepur	Ex-Officio
17.	Mrs. Navneet Kaur Head Electrical Engineering, SBSSTC Ferozepur	Ex-Officio
18.	Dr. Rajani, Head Electronics and Comm. Engineering, SBSSTC Ferozepur	Ex-Officio
19.	Mr Dapinder Deep Singh, Head Civil Engineering, SBSSTC Ferozepur	Ex-Officio
20.	Prof. Avinash Singh, Head, School of Architecture, SBSSTC, Ferozepur	Ex-Officio

17. Ferozepur

21.	Mr. Anil Bansal, Head Computer Applications and Management	Ex-Officio
22.	Dr. M.K. Kushwaha, Associate Professor, ME, SBSSTC Ferozepur	Member
23.	Dr. Kultar Deep Singh, Professor EE, SBSSTC Ferozepur	Member
24.	Dr. Rajiv Garg, Professor, Chemical Engg, SBSSTC Ferozepur	Member
25.	Dr. Tejeet Singh, Professor, ME, SBSSTC, Ferozepur	Member

The meeting was started with the welcome of Hon'ble Chairman and other members to the 14th meeting of Academic Council of the Institute by Dr Kultar Deep Singh. Thereafter, with the permission of the Hon'ble Chairman, the agenda items were deliberated upon and the following decisions were taken unanimously:

Item No. 14.1 Confirmation of the proceedings of 13th meeting of Academic Council of SBSSTC, Ferozepur.

Decision: The proceedings of 13th Academic council were confirmed as no comments have been received from any member of the council.

Item No. 14.2 To report action taken on the decisions of the 13th meeting of the Academic Council of SBSSTC, Ferozepur.

Decision: The action taken report was approved by Academic council as proposed.

Item No. 14.3 To review the continuation of academic autonomy granted by UGC.

Decision: The case of Academic Autonomy was discussed in detail keeping in view the current norms of extension of approval of AICTE, and, thereafter Academic Council has decided to surrender Academic Autonomy to UGC New Delhi. Accordingly, it was decided that institute should forward the case of surrender of Academic Autonomy to IKGPTU Jalandhar for onward recommendation by IKGPTU Jalandhar to UGC New Delhi.

Item No.14.4, Item No.14.5 and Item No.14.6

Decision: All new courses to be started from new session 2020-21, which were approved in 13th meeting of Academic Council vide agenda item no 13.6 and item no. 13.20, were again reviewed and it was decided that following AICTE approved and Non- AICTE courses should be started from academic session 2020-21.

AICTE approved courses

1. B. Tech. Computer Science and Engineering (Data Science)
2. B. Tech. Computer Science and Engineering (Networking)
3. Diploma in Automobile Engineering

4/9/2020

Ferozepur

SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS

MOGA ROAD, FEROZEPUR-152004

Non-AICTE Courses

1. B. Com.
2. B. Voc. (Data and Web Analytic)
3. PG Diploma in Cyber Security & Digital Forensics
4. Post Graduate Diploma in Automobile Engineering

Meeting was over with vote of thanks to the chair.

Dated: 25.02.2020

Member Secretary of Academic Council,
Shaheed Bhagat Singh State Technical Campus,
Ferozepur, Punjab.

Approved/Not Approved

4/3/2020

Director-cum- Chairman Academic Council
Shaheed Bhagat Singh State Technical Campus, Ferozepur

Sr. No.	Name of Course	Batch	Year	Semester	(A) Admission Processing Fee/ Counselling Fee	(B) University Related Fee	(C) Exam Charges	(D) Other Institutional Charges	E=A+B+C+D Total Charges	(F) Tuition Fee	(E)+(F) Grand Total (Sem. Fee)	Grand Total (Annual Fee)
3.	• B.Sc. (Hon's) Food Technology	2020	1st	1st	2000	1150	1000	10700	14850	9500	24350	34850
				2nd			1000		1000	9500	10500	
		2019	2nd	3rd		550	1000	10700	12250	9500	21750	32250
				4th			1000		1000	9500	10500	
		2018	3rd	5th		550	700	10700	11950	9500	21450	31650
				6th			700		700	9500	10200	
4.	• B.A. (Journalism and Mass Communication) • B.Sc. (Animation & Multimedia Technology) • Bachelor of Business Administration (Retail Management) • Bachelor of Business Administration (Business Economics)	2020	1st	1st	2000	1150	1000	10700	14850	11500	26350	38850
				2nd			1000		1000	11500	12500	
		2019	2nd	3rd		550	1000	10700	12250	11500	23750	36250
				4th			1000		1000	11500	12500	
		2018	3rd	5th		550	700	10700	11950	11500	23450	35650
				6th			700		700	11500	12200	
5.	• B.Sc. Hon's (Agriculture)/ B.Sc. (Agriculture)/ • B.Sc. (Hon's) Nutrition & Dietetics (04 Years) • B.Sc. (Hon's) Aircraft Maintenance) (03 Years) • B.Sc. (Medical Lab Sciences) • B.Sc. (Bio Technology) • Bachelor of Hotel Management & Catering Technology • B.Sc. (Computer Science) • B.Sc. (Fashion Design Knits) • B.Sc. (Fashion Design) • B.Sc. (Textile Design) • B.Sc. (O.T. Technology) • B.Sc. (Radiotherapy Technology) • B.Sc. Hon's (Microbiology) • B.Sc. (Artificial Intelligence & Machine Learning)) • Bachelor of Management Studies (Hotel Management & Catering Technology)/ • B.Sc. (Fashion Technology) (03 Years) • B.Sc. (Hon's) Chemistry (03 Years) • B.Sc. (Hon's) Physics (03 Years)	2020	1st	1st	2000	1150	1000	14700	18850	15500	34350	50850
				2nd			1000		1000	15500	16500	
		2019	2nd	3rd		550	1000	14700	16250	15500	31750	48250
				4th			1000		1000	15500	16500	
		2018	3rd	5th		550	700	14700	15950	15500	31450	47650
				6th			700		700	15500	16200	
		2017	4th	7th		550	700	14700	15950	15500	31450	47650
				8th			700		700	15500	16200	
6.	• B.Com. (Professional) Bachelor of Commerce (Hons) • Bachelor in Computer Applications • Bachelor of Business Administration	2020	1st	1st	2000	1150	1000	10700	14850	15500	30350	46850
				2nd			1000		1000	15500	16500	
		2019	2nd	3rd		550	1000	10700	12250	15500	27750	44250
				4th			1000		1000	15500	16500	
		2018	3rd	5th		550	700	10700	11950	15500	27450	43650
				6th			700		700	15500	16200	

Sr. No.	Name of Course	Batch	Year	Semester	(A) Admission Processing Fee/ Counselling Fee	(B) University Related Fee	(C) Exam Charges	(D) Other Institutional Charges	E=A+B+C+D Total Charges	(F) Tuition Fee	Grand Total (E)+(F) (Sem. Fee)	Grand Total (Annual Fee)
3.	• B.Sc. (Hon's) Food Technology	2020	1st	1st	2000	1150	1000	10700	14850	9500	24350	34850
				2nd			1000		1000	9500	10500	
		2019	2nd	3rd		550	1000	10700	12250	9500	21750	22250
				4th			1000		1000	9500	10500	
		2018	3rd	5th		550	700	10700	11950	9500	21450	21650
				6th			700		700	9500	10200	
4.	• B.A. (Journalism and Mass Communication) • B.Sc. (Animation & Multimedia Technology) • Bachelor of Business Administration (Retail Management) • Bachelor of Business Administration (Business Economics)	2020	1st	1st	2000	1150	1000	10700	14850	11500	26350	38850
				2nd			1000		1000	11500	12500	
		2019	2nd	3rd		550	1000	10700	12250	11500	23750	26250
				4th			1000		1000	11500	12500	
		2018	3rd	5th		550	700	10700	11950	11500	23450	25650
				6th			700		700	11500	12200	
5.	• B.Sc. Hon's (Agriculture)/ B.Sc. (Agriculture)/ • B.Sc. (Hon's) Nutrition & Dietetics (04 Years) • B.Sc. (Hon's) Aircraft Maintenance) (03 Years) • B.Sc. (Medical Lab Sciences) • B.Sc. (Bio Technology) • Bachelor of Hotel Management & Catering Technology • B.Sc. (Computer Science) • B.Sc. (Fashion Design Knits) • B.Sc. (Fashion Design) • B.Sc. (Textile Design) • B.Sc. (O.T. Technology) • B.Sc. (Radiotherapy Technology) • B.Sc. Hon's (Microbiology) • B.Sc. (Artificial Intelligence & Machine Learning)) • Bachelor of Management Studies (Hotel Management & Catering Technology)/ • B.Sc. (Fashion Technology) (03 Years) • B.Sc. (Hon's) Chemistry (03 Years) • B.Sc. (Hon's) Physics (03 Years)	2020	1st	1st	2000	1150	1000	14700	18850	15500	34350	40850
				2nd			1000		1000	15500	16500	
		2019	2nd	3rd		550	1000	14700	16250	15500	31750	48250
				4th			1000		1000	15500	16500	
		2018	3rd	5th		550	700	14700	15950	15500	31450	47650
				6th			700		700	15500	16200	
		2017	4th	7th		550	700	14700	15950	15500	31450	47650
				8th			700		700	15500	16200	
6.	• B.Com. (Professional) Bachelor of Commerce (Hons) • Bachelor in Computer Applications • Bachelor of Business Administration	2020	1st	1st	2000	1150	1000	10700	14850	15500	30350	46850
				2nd			1000		1000	15500	16500	
		2019	2nd	3rd		550	1000	10700	12250	15500	27750	44250
				4th			1000		1000	15500	16500	
		2018	3rd	5th		550	700	10700	11950	15500	27450	43650
				6th			700		700	15500	16200	

Sr. No.	Name of Course	Batch	Year	Semester	(A) Admission Processing Fee/ Counselling Fee	(B) University Related Fee	(C) Exam Charges	(D) Other Institutional Charges	E=A+B+C+D Total Charges	(F) Tuition Fee	(E)+(F) Grand Total (Sem. Fee)	Grand Total (Annual Fee)
7.	• Bachelor in Computer Applications Lateral Entry	2020	2nd	3rd	2000	1150	1000	10700	14850	15500	30350	
				4th			1000		1000	15500	16500	
		2019	3rd	5th		550	1000	10700	12250	15500	27750	
				6th			700		700	15500	16200	
8.	• B.Sc. (Multimedia)/ • Bachelor of Management Studies (Media Entertainment & Film Technology)	2020	1st	1st	2000	1150	1000	14700	18850	9500	28350	
				2nd			1000		1000	9500	10500	
		2019	2nd	3rd		550	1000	14700	16250	9500	25750	
				4th			1000		1000	9500	10500	
		2018	3rd	5th		550	700	14700	15950	9500	25450	
				6th			700		700	9500	10200	
9.	• Bachelor of Management Studies (Rural Development)/ • BBA (Rural Development)	2019	2nd	3rd		550	1000	27100	28650	9500	38150	
				4th			1000		1000	9500	10500	
		2018	3rd	5th		550	700	27100	28350	25000	53350	
				6th			700		700	25000	25700	
10.	• Bachelor of Management Studies (Service Industry)/ • BBA (Service Industry Management)	2020	1st	1st	2000	1150	1000	27100	31250	27500	58750	
				2nd			1000		1000	27500	28500	
		2019	2nd	3rd		550	1000	27100	28650	27500	56150	
				4th			1000		1000	27500	28500	
		2018	3rd	5th		550	700	27100	28350	27500	55850	
				6th			700		700	27500	28200	
11.	• Bachelor of Management Studies (Health, Spa and Resort)/BBA (Health, Spa and Resort)	2020	1st	1st	2000	1150	1000	27100	31250	15500	46750	
				2nd			1000		1000	15500	16500	
		2019	2nd	3rd		550	1000	27100	28650	27500	56150	
				4th			1000		1000	27500	28500	
		2018	3rd	5th		550	700	27100	28350	27500	55850	
				6th			700		700	27500	28200	
12.	• M.A. (Journalism and Mass Communication)	2020	1st	1st	2000	1150	1000	54100	58250	15500	73750	
				2nd			1000		1000	15500	16500	
		2019	2nd	3rd		550	1000	54100	55650	15500	71150	
				4th			1000		1000	15500	16500	
13.	• M.Sc. (Chemistry) • M.Sc. (Math) • M.Sc. (Physics) • M.Sc. (Environmental Science)	2020	1st	1st	2000	1150	1000	10700	14850	15500	30350	
				2nd			1000		1000	15500	16500	
		2019	2nd	3rd		550	1000	10700	12250	15500	27750	
				4th			1000		1000	15500	16500	
14.	• M.Sc. (Fashion Mkt. Mgmt.)	2020	1st	1st	2000	1150	1000	10700	14850	11500	26350	
				2nd			1000		1000	11500	12500	
		2019	2nd	3rd		550	1000	10700	12250	11500	23750	
				4th			1000		1000	11500	12500	
15.	• M.Sc. (Pharmaceutical Chemistry) • M.Sc. (Garment Manufacturing Tech.) • M.Sc. (Fashion Design) • M.Des. (Fashion & Textile) • M.Sc. (Bio Technology) • M.Sc. (Medical Lab Technology)/ • M.Sc. MLS (Bio Chemistry)/ M.Sc. MLT (Bio Chemistry) • Master of Hotel Management & Catering Technology • M.Sc. (Clinical Research) • M.Sc. (Food Tech.)	2020	1st	1st	2000	1150	1000	14700	18850	15500	34350	
				2nd			1000		1000	15500	16500	
		2019	2nd	3rd		550	1000	14700	16250	15500	31750	
				4th			1000		1000	15500	16500	

Sr. No.	Name of Course	Batch	Year	Semester	(A) Admission Processing Fee/ Counselling Fee	(B) University Related Fee	(C) Exam Charges	(D) Other Institutional Charges	E=A+B+C+D Total Charges	(F) Tuition Fee	(E)+(F) Grand Total (Sem. Fee)	Grand Total (Annual Fee)
16.	• M.Sc. (Computer Science) • M.Sc. (Information Technology) • Master of Commerce/ M.Com. (Professional)	2020	1st	1st	2000	1150	1000	10700	14850	11500	26350	38850
				2nd			1000		1000	11500	12500	
		2019	2nd	3rd		550	1000	10700	12250	11500	23750	36250
				4th			1000		1000	11500	12500	
17.	• Master of Management Studies (Education and Counselling)	2020	1st	1st	2000	1150	1000	27100	31250	11500	42750	55250
				2nd			1000		1000	11500	12500	
		2019	2nd	3rd		550	1000	27100	28350	11500	39850	52350
				4th			1000		1000	11500	12500	
18.	• Master of Management Studies (Service Industry)	2020	1st	1st	2000	1150	1000	27100	31250	11500	42750	55250
				2nd			1000		1000	11500	12500	
		2019	2nd	3rd		550	1000	27100	28650	11500	40150	52650
				4th			1000		1000	11500	12500	
19.	• Master of Management Studies (Airlines, Tourisms and Hospitality)/Master of Tourism and Travel Management (MTTM) • M.Sc. (Multimedia)	2020	1st	1st	2000	1150	1000	30100	34250	11500	45750	58250
				2nd			1000		1000	11500	12500	
		2019	2nd	3rd		550	1000	30100	31650	11500	43150	55650
				4th			1000		1000	11500	12500	
20.	• Post Graduate Diploma in Computer Applications • Post Graduate Diploma in Cyber Security & Digital Forensic • Post Graduate Diploma in Digital Marketing • Post Graduate Diploma in Fashion Design & Clothing Technology • Post Graduate Diploma in Mobile Technology	2020	1st	1st	2000	1150	1000	10700	14850	11500	26350	38850
				2nd			1000		1000	11500	12500	
21.	• B.Voc Courses • (both UGC & AICTE)	2020	1st	1st	2000	1150	1000	10700	14850	25000	39850	65850
				2nd			1000		1000	25000	26000	
		2019	2nd	3rd		550	1000	10700	12250	25000	37250	63250
				4th			1000		1000	25000	26000	
		2018	3rd	5th		550	700	10700	11950	25000	36950	62650
				6th			700		700	25000	25700	

Note: 1. Refundable Security fee for above course is 2000/-
2. The above fee does not include Security fee (Refundable).

(Dr. S.S. Walia)
Registrar

Endst. No. IKGPTU/REG/NF/86-89 Dated: 24.05.2020

A copy is forwarded to the following officers for information please.

1. I/C Secretariat, O/o Vice Chancellor: For information of Vice Chancellor
2. Dean (Academics)
3. Incharge (ITS): For upload on website
4. All Concerned

(Dr. S.S. Walia)
Registrar

Annexure 3

SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS,
FEROZEPUR
(Established by Punjab Government)
Department of Civil Engineering

Ref. No. SBS/FZR/CE-812 Dated 10/07/2020

To

Dean (Accreditation and Autonomy)

S.B.S.S.T.C.

Ferozepur

Subject: Regarding Agenda of Deptt. of Civil Engineering for 15th meeting of Academic Council of SBSSTC, Ferozepur.

For the finalization of scheme and syllabus of B. Tech. Civil Engineering of 5th semester, B.O.S. members were intimated through e-mail on dated 06/07/2020 along with proposed scheme and syllabus. All the B.O.S. members reverted back their comments on e-mail and confirmed that IKGPTU, Kapurthala scheme and syllabus of 5th semester should be followed as such.

Head 10/07/2020

Deptt. of Civil Engineering

Enclosed: 1. Minutes of Meeting regarding finalization of scheme and syllabus of B. Tech. Civil Engineering (5th semester)

2. Comments received from all BOS Members

3. Approved Scheme and Syllabus of 5th semester.

BOS File 10/07/2020

SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS,
FEROZEPUR
(Established by Punjab Government)
Department of Civil Engineering

Ref. No. SBS/FZR/CE-650 Dated 10/07/2020

Minutes of Meeting

A meeting regarding finalization of scheme and syllabus of B.Tech. Civil Engineering (5th semester) was held in the office of Head, Department of Civil Engineering on dated 10/07/2020 at 12:30 pm. Following B.O.S. members were present in the meeting

1 Mr. Dapinder Deep Singh (Head & Chairman B.O.S., Deptt. of Civil Engineering)

2. Dr. Bohar Singh, Associate Professor (B.O.S. Member)

3. Mrs. Parmpreet Kaur, Assistant Professor (B.O.S. Member)

Regarding the finalization of scheme and syllabus of B. Tech. Civil Engineering (5th semester), all the B.O.S. members were intimated through e-mail on dated 06/07/2020 along with proposed scheme and syllabus. All the B.O.S. members reverted back their comments on e-mail and confirmed that IKGPTU, Kapurthala scheme and syllabus for B. Tech. Civil Engineering (5th semester) should be followed as such.

10/07/2020

Dr. Bohar Singh
Associate Professor
(Member B.O.S.)

10/07/2020

Mrs. Parmpreet Kaur
Assistant Professor
(Member B.O.S.)

10/07/2020

Mr. Dapinder Deep Singh
Assistant Professor
(Head & Chairman B.O.S., Deptt. of Civil Engineering)

SHAHEED BHAGAT SINGH STATE TECHNICAL CAMPUS,
Moga Road, Ferozepur -152004
Department of Civil Engineering

Ref. No. SBS/FZR/CE/649 **Dated:** 06/07/2020

1.	Head, Department of Civil Engineering, SBSSTC, Ferozepur	Chairman
2.	Dr. Jaspal Singh, Professor Department of Civil Engineering, PAU, Ludhiana	Member B.O.S.
3.	Dr. G.S. Bath, Associate Professor, Department of Civil Engineering GZS Campus College of Engg. & Tech., Bathinda	Member B.O.S.
4.	Mr. Inderjeet Singh Bath, Director Geomedia Engg. and Consultancy Services, Bathinda	Member B.O.S.
5.	Dr. Rajeev Chauhan, Associate Professor, Head, Deptt. of Civil Engineering, IKGPTU, PTU Campus, Kapurthala	Nominee of Vice Chancellor
6.	Mr. Sidhant Chopra, (J.E., GLADA), Alumni Deptt. of Civil Engg. SBSSTC, Ferozepur	Member B.O.S.
7.	Dr. Bohar Singh, Associate Prof., Deptt. of Civil Engg. SBSSTC, Ferozepur	Member B.O.S.
8.	Mrs. Parampreet Kaur, Assistant Prof., Deptt. of Civil Engg., SBSSTC, Ferozepur	Member B.O.S.
9.	Mr. Gurpreet Singh, Assistant Prof., Deptt. of Civil Engg., SBSSTC, Ferozepur	Member B.O.S.
10.	Mr. Dapinder Deep Singh, Assistant Prof., Deptt. of Civil Engg., SBSSTC, Ferozepur	Member B.O.S.

Subject: Regarding adoption of AICTE model curriculum for Civil Engg. students batch 2018 and onwards.

AICTE has introduced the model curriculum for the engineering programmes. Our affiliating university IKGPTU, Kapurthala has designed the scheme and syllabus for B. Tech. Civil Engg. programme as per guidelines of AICTE model curriculum. Keeping in View, it is proposed to follow the scheme as well as syllabus prescribed by IKGPTU, Kapurthala for B. Tech. Civil Engg. (Batch 2018 & onwards) at SBSSTC, Ferozepur. The whole scheme (3rd to 8th semester) as well as syllabus (3rd and 4th semester) for the said course has been already finalized by your good-self. Now, we are sending you the copy of syllabus of 5th semester (as already finalized by IKGPTU, Kapurthala) for your valuable comments to be adopted at SBSSTC, Ferozepur.
You are humbly requested to review the contents of syllabus of 5th semester and kindly provide your valuable suggestions.

06/07/2020
Head
Deptt. of Civil Engg.
SBSSTC, Ferozepur

SBSSTC Ferozepur

Head CE <hodce@sbsstc.ac.in>

Regarding finalization of contents of syllabus for B.Tech. Civil Engg. 5th semester.

Head CE <hodce@sbsstc.ac.in> Mon, Jul 6, 2020 at 2:18 PM
To: rajiv chauhan <rajiv.meet@gmail.com>, Bohar Singh <boharsingh@gmail.com>, Dapinder Deep Singh <khosa1111@gmail.com>, Parampreet Kaur <parampreetk70@gmail.com>, Sidhant chopra <sidhantsbs225@gmail.com>, jaspalsingh@pau.edu, gpsbath66@gmail.com, geomediaengineering@gmail.com, GURPREET SINGH <gurpreet3622@gmail.com>

Respected members of Board of Studies,

Please find enclosed herewith scheme and syllabus of B.Tech. Civil Engg. of 5th semester for Batch 2018 and onwards. You are requested to review the contents of the syllabus of 5th semester to be implemented on Batch 2018 and onwards. Kindly provide your valuable suggestions.

Thanking you

Regards
Head
Deptt. of Civil Engg.
SBSSTC, Ferozepur

2 attachments

Letter.pdf
867K

B.Tech. Civil Engg. 5th Sem..pdf
429K

Scheme & Syllabus of

B. Tech Civil Engineering

Batch 2018 onwards

By

Board of Study CIVIL AND ENVIRONMENTAL SCIENCE

(Affiliated Colleges)

Study scheme

Third Semester										
S. No.	Category	Subject Code	Course Title	Hours per week			Marks			Credits
				L	T	P	Int	Ext	Total	
1	Professional Core courses	BTCE-301-18	Surveying & Geomatics	3	1	0	40	60	100	4
2	Professional Core courses#	BTCE-302-18	Solid Mechanics#	3	0	0	40	60	100	3
3	Professional Core courses #	BTCE-303-18	Fluid Mechanics#	3	0	0	40	60	100	3
4	Basic Science Course #	BTAM-301-18	Mathematics III # (Transform & Discrete Mathematics)	4	0	0	40	60	100	4
5	Engineering Science Course	BTEC-305-18	Basic Electronics & applications in Civil Engineering	3	0	0	40	60	100	3
6	Humanities and Social Sciences including Management	HSMC-132-18	Civil Engineering-Introduction, Societal & Global Impact	3	0	0	40	60	100	3
7	Professional Core courses	BTCE-306-18	Surveying & Geomatics Lab	0	0	2	30	20	50	1
8	Professional Core courses	BTCE-307-18	Fluid Mechanics Lab	0	0	2	30	20	50	1
9	Professional Core courses	BTCE-308-18	Solid Mechanics Lab	0	0	2	30	20	50	1
10		BMPD-301-18	Mentoring and Professional Development	0	0	2	Satisfactory/ Unsatisfactory			-
11	Pofessional Skill Enhancement	BTCE-332-18	Training – I*	-	-	-	60	40	100	Satisfactory/Unsatisfactory
			28	19	1	8	390	460	850	23
* Students have already completed 3 weeks institutional training and field and market survey in Summer vacation which is to be evaluated by viva-voce conducted along End semester exam of Third semester.										

Note : # These are the minimum contact hrs. allocated.

The contact hrs. may be increased by institute as per the need based on the content of subject.

Fourth Semester										
S No	Category	Subject Code	Course Title	Hours Per Week			Marks			Credits
				L	T	P	Int	Ext	Total	
1	Professional Core courses	BTCE-401	Concrete Technology	3	0	0	40	60	100	3
2	Professional Core courses	BTCE-402	Material, Testing & Evaluation	4	0	0	40	60	100	4
3	Professional Core courses	BTCE-403	Hydrology & Water Resources	3	1	0	40	60	100	4
4	Professional Core courses	BTCE-404	Transportation Engineering	3	1	0	40	60	100	4
5	Professional Core courses	BTCE-405	Disaster Preparedness & Planning	3	0	0	40	60	100	3
6	Basic Sciences (Mandatory Courses)	EVS-101-18	Environment Science (Non- credit)	2	0	0	50	-	50	0
7	Professional Core courses	BTCE-406-18	Concrete Testing Lab	0	0	2	30	20	50	1
8	Professional Core courses	BTCE-407-18	Transportation Lab	0	0	2	30	20	50	1
9	Professional Skill Enhancement		Training –II*	0	0	0	-	-	-	-
10		BMPD-401-18	Mentoring and Professional Development	0	0	2	Satisfactory/ Unsatisfactory			-
			26	18	2	6	310	340	650	20

* 2 weeks survey camp and 4 weeks industrial/institutional training for which viva will be conducted along End semester examination of Fifth semester.

Fifth Semester										
S No	Category	Subject Code	Course Title	Hours Per Week			Marks			Credits
				L	T	P	Int	Ext	Total	
1	Professional Core courses	BTCE-501-18	Engineering Geology	3	0	0	40	60	100	3
2	Professional Core courses	BTCE-502-18	Elements of Earthquake Engineering	3	0	0	40	60	100	3
3	Professional Core courses	BTCE-503-18	Construction Engineering & Management	3	0	0	40	60	100	3
4	Professional Core courses	BTCE-504-18	Environmental Engineering	4	0	0	40	60	100	4
5	Professional Core courses	BTCE-505-18	Structural Engineering	3	1	0	40	60	100	4
6	Professional Core courses #	BTCE-506-18	Geotechnical Engineering#	3	0	0	40	60	100	3
7	Professional Core courses	BTCE-507-18	Geotechnical Lab	0	0	2	30	20	50	1
8	Professional Core courses	BTCE-508-18	Environmental Engineering Lab	0	0	2	30	20	50	1
9	Professional Core courses	BTCE-509-18	Structural Lab	0	0	2	30	20	50	1
10		BMPD-501-18	Mentoring and Professional	0	0	2	Satisfactory/ Unsatisfactory			-
11	Professional Skill Enhancement	BTCE-532-18	Training – II*	-	-	-	60	40	100	Satisfactory/Unsatisfactory
			28	19	1	8	390	460	850	23
* Students have already completed 2 weeks survey camp and 4 weeks summer internship in Summer vacation which is to be evaluated by viva-voce conducted along End semester exam of Fifth semester.										

Note : # These are the minimum contact hrs. allocated.

The contact hrs. may be increased by institute as per the need based on the content of subject.

5th Sem Syllabus

Fourth Semester							
S. No.	Category	Code	Course Title	Hours per week			Credits
				L	T	P	
1	Professional Core courses	BTCE-501-18	Engineering Geology	3	0	0	3

External Marks: 60, Internal Marks: 40, Total Marks: 100

Course Outcome

The course will enable the students understand:
1. The basic concepts of geological processes and their importance in civil Engineering
2. Identification of rocks and minerals and their characteristics
3. Significance of geological structures and processes in civil engineering projects
4. Site characterization and geologic considerations in construction

Content

Unit-I: General Geology: Scope of geology in Civil Engineering - the earth, its structure and environment - Standard geological time scale, unit & fossils. physiographic, stratigraphic and tectonic divisions of India - geomorphological (surface) processes – weathering – types , weathered products, assessment of degree of weathering , Fluvial processes, glaciation, wind action, and their significance in Civil Engineering

Unit-II: Mineralogy and Petrology: Physical properties of minerals – classification - study of important rock forming minerals – Quartz family, feldspar family, Augite, Hornblend, Mica family, calcite, Iron oxide minerals, Augite, Hornblend, and Clay minerals and their behaviour and significance in the field of Civil Engineering . Classification of rock - mode of formation - distinction between igneous, sedimentary and metamorphic rocks. Formation, textures, structure, Classification, and Engineering, Characteristic of rocks. Study of imp rocks granite, syenite, diorite, gabbro, pegmatite, dolerite , basalt , sand stone, limestone, shale, breccia , conglomerate , gneiss, quartzite, marble, slate, schist, phyllite and conglomerate

Unit -III: Strength Behavior of Rocks- Stress and Strain in rocks. Concept of Rock Deformation & Tectonics. Dip and Strike. Outcrop and width of outcrop. Inliers and Outliers. Main types of discontinuities according to size. Fold- Types and nomenclature, Criteria for their recognition in field. Faults: Classification, recognition in field, effects on outcrops. Joints & Unconformity; Types, Stresses responsible, geotechnical importance. Importance of structural elements in engineering operations. Consequences of failure as land sliding, Earthquake and Subsidence. Strength of Igneous rock structures.

Unit IV:Geological Hazards- Rock Instability and Slope movement: Concept of sliding blocks. Different controlling factors. Instability in vertical rock structures and measures to prevent collapse. . Types of landslide. Prevention by surface drainage, slope reinforcement by Rock bolting and Rock anchoring, retaining wall, Slope treatment. Case study on black clay. Ground water: Factors controlling water bearing capacity of rock. Pervious & impervious rocks and ground water. Lowering of water table and Subsidence. Earthquake: Magnitude and intensity of earthquake. Seismic sea waves. Revelation from Seismic Records of structure of earth. Case Study on Elevation and Subsidence

Unit V: Rock masses as construction material: Definition of Rock masses. Main features constituting rock mass. Main features that affects the quality of rock engineering and design.Basic element and structures of rock those are relevant in civil engineering areas. Main types of works connected to rocks and rock masses. Important variables influencing rock properties and behavior such as Fresh rock Influence from some minerals. Effect of alteration and weathering. Measurement of velocity of sound in rock. Classification of Rock material strength. Core logging .Rock Quality Designation. Rock mass description.

Unit VI: Geology of dam and reservoir site- Required geological consideration for selecting dam and reservoir site. Failure of Reservoir. Favorable & unfavorable conditions in different types of rocks in presence of various structural feanures, precautions to be taken to counteract unsuitable conditions, significance of discontinuities on the dam site and treatment giving to such structures.

Text/Reference Books:

1. Engineering and General Geology, Parbin Singh, 8th Edition (2010), S K Kataria & Sons.
2. Text Book of Engineering Geology, N. Chenra Kesavulu, 2nd Edition (2009), Macmillan Publishers India.
3. Geology for Geotechnical Engineers, J.C.Harvey, Cambridge University Press (1982).
4. Reddy,D.," Engineering Geology for Civil Engineers", Oxford & IBH , 1995
5. Leggot, R.F.," Geology and Engineers ", McGraw Hill , New York.2002 2.
6. Blyth, F.G.M., " A Geology for Engineers", Arnold, Londo,(2003.
7. Bell.F.G, " Fundamentals of Engineering Geology" Butterworth, 1983

Fifth Semester							
S. No.	Category	Code	Course Title	Hours per week			Credits
				L	T	P	
2	Professional Core courses	BTCE-502-18	**Elements of Earthquake Engineering**	3	0	0	3

External Marks: 60, Internal Marks: 40, Total Marks: 100

Course Outcome

The course will enable the students to:

i) Appreciate the role of earthquake forces in structural design of building.
ii) Apply various codal provisions related to seismic design of buildings.
iii) Acquire new basic knowledge in earthquake engineering

Content

Unit 1: Introduction to Earthquakes, Causes of Earthquakes, Basic Terminology, Magnitude, Intensity, Peak ground motion parameters.
Unit 2: Past Earthquakes and Lessons learnt, Various Types of Damages to Buildings.
Unit 3: Introduction to theory of Vibrations, Sources of Vibrations, Types of Vibrations, Degree of Freedom, Spring action and damping, Equation of motion of S.D.O.F. systems, Undamped, Damped system subjected to transient forces, general solution, green's function.
Unit 4: Lateral Force analysis, Floor Diaphragm action, moment resisting frames, shear walls.
Unit 5: Concepts of seismic design, Lateral Strength, Stiffness, ductility and structural configuration.
Unit 6: Introduction to provisions of IS 1893-2002 Part-I for buildings. Estimation of lateral forces due to earthquake.
Unit 7: Introduction to provisions of IS 4326.
Unit 8: Introduction to provision of IS 13920.

Text /Reference Books :

1. Earthquake Resistant Design of Structures, Pankaj Agrawal, Manish Shrikhande, PHI Learning
2. Dynamics of Structures: Theory and Applications to Earthquake Engineering, AK Chopra, Prentice Hall
3. Dynamics of Structures, R.W. Clough and Joseph Penzien, McGraw-Hill Education
4. Structural Dynamics by Mario & Paz, Springer.
5. Earthquake Resistant Design by David J. Dowrick, Wiley India Pvt Ltd
6. Elements of Earthquake Engg by Jai Krishna, A.R. Chandrasekaran, Brijesh Chandra, South Asian Publishers.
7. IS 1893-2016Indian Standard Criteria for Earthquake Resistant Design of Structures.
8. IS 4326-1993 Indian Standard for Earthquake Resistant Design and Construction of Buildings.
9. IS 13920:2016- Ductile design and detailing of Reinforced Concrete Structures subjected to Seismic Forces- code of practice

Fourth Semester							
S. No.	Category	Code	Course Title	Hours per week			Credits
				L	T	P	
3	Professional Core courses	BTCE-503-18	Construction Engineering & Management	3	0	0	3

External Marks: 60, Internal Marks: 40, Total Marks: 100

Course Outcome

The course will enable the students to:

An idea of

how structures are built and projects are developed on the field

i. An understanding of modern construction practices
ii. A good idea of basic construction dynamics- various stakeholders, project objectives,
iii. processes, resources required and project economics
iv. A basic ability to plan, control and monitor construction projects with respect to time
v. and cost
vi. An idea of how to optimise construction projects based on costs
vii. An idea how construction projects are administered with respect to contract structures and issues.
viii. An ability to put forward ideas and understandings to others with effective communication processes

Contents

Unit 1: *Basics of* Construction- Unique features of construction, construction projects types and features, phases of a project, agencies involved and their methods of execution;

Unit 2: Construction project planning- Stages of project planning: pre-tender planning, pre-construction planning, detailed construction planning, role of client and contractor, level of detail. Process of development of plans and schedules, work break-down structure, activity lists, assessment of work content, concept of productivities, estimating durations, sequence of activities, activity utility data; Techniques of planning- Bar charts, Gantt Charts. Networks: basic terminology, types of precedence relationships, preparation of CPM networks: activity on link and activity on node representation, computation of float values, critical and semi critical paths, calendaring networks. PERT- Assumptions underlying PERT analysis, determining three time estimates, analysis, slack computations, calculation of probability of completion.

Unit 3:Construction Methods basics: Types of foundations and construction methods; Basics of Formwork and Staging; Common building construction methods (conventional walls and slabs; conventional framed structure with blockwork walls; Modular construction methods for repetitive works; Precast concrete construction methods; Basics of Slip forming for tall structures; Basic construction methods for steel structures; Basics of construction methods for Bridges.

Unit 4:Construction Equipment basics: Conventional construction methods Vs Mechanized methods and advantages of latter; Equipment for Earthmoving, Dewatering; Concrete mixing, transporting & placing; Cranes, Hoists and other equipment for lifting; Equipment for transportation of materials. Equipment Productivities

Unit 5:Planning and organizing construction site and resources- Site: site layout including enabling structures, developing site organization, Documentation at site; Manpower: planning, organizing, staffing, motivation; Materials: concepts of planning, procurement and inventory control; Equipment: basic concepts of planning and organizing; Funds: cash flow,sources of funds; Histograms and S-Curves. Earned Value; Resource Scheduling- Bar chart, line of balance technique, resource constraints and conflicts; resource aggregation, allocation, smoothening and leveling. Common Good Practices in Construction

Unit 6:*Project Monitoring & Control*- Supervision, record keeping, periodic progress reports, periodical progress meetings. Updating of plans: purpose, frequency and methods of updating. Common causes of time and cost overruns and corrective measures. Basics of Modern Project management systems such as Lean Construction; Use of Building Information Modelling (BIM) in project management; Quality control: concept of quality, quality of constructed structure, use of manuals and checklists for quality control, role of inspection, basics of statistical quality control. Safety, Health and Environment on project sites: accidents; their causes, effects and preventive measures, costs of accidents, occupational health problems in construction, organizing for safety and health.

Unit 7:*Contracts Management basics:* Importance of contracts; Types of Contracts, parties to a contract; Common contract clauses (Notice to proceed, rights and duties of various parties, notices to be given, Contract Duration and Price. Performance parameters; Delays, penalties and liquidated damages; Force Majeure, Suspension and Termination. Changes & variations, Dispute Resolution methods.

Unit 8:*Construction Costs: Make-up of construction costs;* Classification of costs, timecost trade-off in construction projects, compression and decompression.

Text/Reference Books:

1. Varghese, P.C., "*Building Construction*", Prentice Hall India, 2007.
2. *National Building Code*, Bureau of Indian Standards, New Delhi, 2017.
3. Chudley, R., *Construction Technology*, ELBS Publishers, 2007.

4. Peurifoy, R.L. Construction Planning, Methods and Equipment, McGraw Hill, 2011
5. Nunnally, S.W. Construction Methods and Management, Prentice Hall, 2006
6. Jha, Kumar Neeraj., Construction Project management, Theory & Practice, Pearson Education India, 2015
7. Punmia, B.C., Khandelwal, K.K., Project Planning with PERT and CPM, Laxmi Publications, 2016.

Fifth Semester

S. No.	Category	Code	Course Title	Hours per week			Credits
				L	T	P	
4	Professional Core courses	BTCE-504-18	**Environmental Engineering**	4	0	0	4

External Marks: 60, Internal Marks: 40, Total Marks: 100

Course Outcome

The course will enable the students to:

i. Understand the impact of humans on environment and environment on humans
ii. Be able to identify and value the effect of the pollutants on the environment: atmosphere, water and soil.
iii. Be able to plan strategies to control, reduce and monitor pollution.
iv. Be able to select the most appropriate technique for the treatment of water, wastewater ,solid waste and contaminated air.
v. Be conversant with basic environmental legislation.

Contents

Unit1: *Water:* -Sources of Water and quality issues, water quality requirement for different beneficial uses, Water quality standards, water quality indices, water safety plans, Water Supply systems, Need for planned water supply schemes, Water demand industrial and agricultural water requirements, Components of water supply system; Transmission of water, Distribution system, Various valves used in W/S systems, service reservoirs and design. *Water Treatment:* aeration, sedimentation, coagulation flocculation, filtration, disinfection, advanced treatments like adsorption, ion exchange, membrane processes

Unit 2: *Sewage*- Domestic and Storm water, Quantity of Sewage, Sewage flow variations.Conveyance of sewage- Sewers, shapes design parameters, operation and maintenance of sewers, Sewage pumping; Sewerage, Sewer appurtenances, Design of sewerage systems. Small bore systems, Storm Water- Quantification and design of Storm water; Sewage and Sullage, Pollution due to improper disposal of sewage, Wastewater treatment, aerobic and anaerobic treatment systems, suspended and attached growth systems, recycling of sewage – quality requirements for various purposes.

Unit 3: *Air* - Composition and properties of air, Quantification of air pollutants, Monitoring of air pollutants, Air pollution-Occupational hazards, Urban air pollution automobile pollution, Air quality standards, Control measures for Air pollution

Unit 4: *Noise*- Basic concept, measurement and various control methods.

Unit 5:*Solid waste management*-Municipal solid waste, Composition and various chemical and physical parameters of MSW, MSW management: Collection, transport, treatment and disposal of MSW. Special MSW: waste from commercial establishments and other urban areas, solid waste from construction activities, biomedical wastes, Effects of solid waste on environment: effects on air, soil, water surface and ground health hazards. Disposal of solid waste-segregation, reduction at source, recovery and recycle. Disposal methods-Integrated solid waste management.

Unit 6: *Building Plumbing*-Introduction to various types of home plumbing systems for water supply and waste water disposal, high rise building plumbing, Storage tanks, Building drainage for high rise buildings, various kinds of fixtures and fittings used.

Text/Reference Books:

1. Introduction to Environmental Engineering and Science by Gilbert Masters, Prentice Hall, New Jersey.
2. Introduction to Environmental Engineering by P. Aarne Vesilind, Susan M. Morgan, Thompson /Brooks/Cole; Second Edition 2008.
3. Peavy, H.s, Rowe, D.R, Tchobanoglous, G. *Environmental Engineering*, Mc-Graw -Hill International Editions, New York 1985.
4. MetCalf and Eddy. *Wastewater Engineering, Treatment, Disposal and Reuse*, Tata McGraw-Hill, New Delhi.
5. Manual on Water Supply and Treatment. Ministry of Urban Development, New Delhi.
6. Plumbing Engineering. Theory, Design and Practice, S.M. Patil, 1999
7. Integrated Solid Waste Management, Tchobanoglous, Theissen & Vigil. McGraw Hill Publication
8. Manual on Sewerage and Sewage Treatment Systems, Part A, B and C. Central Public Health and Environmental Engineering Organization, Ministry of Urban Development

Fifth Semester							
S. No.	Category	Code	Course Title	Hours per week			Credits
				L	T	P	
5	Professional Core courses	BTCE-505-18	**Structural Engineering**	3	1	0	4

External Marks: 60, Internal Marks: 40, Total Marks: 100

Course Outcome

The course will enable the students to:

i. The students will be able to apply their knowledge of structural mechanics in addressing design problems of structural engineering
ii. They will possess the skills to analyse and design concrete and steel structures
iii. They will have knowledge of structural engineering

Unit 1: Introduction

Structural Engineering, role of structural engineer, engineer, architect, builder; Objectives of designing a structure,safety,sustainable development in performance.

Unit 2: Structural Analysis

Concept of determinacy and indeterminacy, Analyses of indeterminate beams, frames and trusses using Slope deflection method, Moment distribution method, unit load method and castiglano's theorem.

Unit 3: Design of concrete Elements

Design Philosophies of Working Stress Method and Limit State Method, Design of Reinforced Concrete Beams for Flexure, Shear, Bond, Anchorage, development length and torsion; Reinforced Concrete Axially Loaded Columns, Reinforced Concrete Slabs: One Way and Two Way.

Unit 4: Design of Steel Elements

Properties of structural steel, I.S. rolled sections, I.S. specifications; Connections- Bolted and welded connections for axial loads; Tension members: Design of members subjected to axial tension; Compression members: Design of axially loaded members, built-up columns, laced and battened columns; Flexural members: Design of laterally restrained and un-restrained rolled section beams.

Text/Reference Books:

1. Nilson, A. H. Design of Concrete Structures. 13th edition. McGraw Hill, 2004
2. McCormac, J.C., Nelson, J.K. Jr., Structural Steel Design. 3rd edition. Prentice Hall, N.J., 2003.
3. Intermediate Structural Analysis - C K Wang, McGraw hill publications.
4. Limit state design of steel structures: S K Duggal, Mc Graw Hill.
5. Design of Reinforced Concrete Structures: S. Ramamrutham, Dhanpat Rai Publications.
6. Smith, J. C., Structural Analysis, Harpor and Row, Publishers, New York.
7. NBC, National Building Code, BIS (2017).
8. Theory of structures - S Ramamurtham, Dhanpat Rai Publications.
9. Theory of structures - B.C. Punima, Laxmi Publications.
10. Reinforced concrete design - Pillai & Menon, Tata McGrawHill publications

BIS Codes of practice and Design Handbooks:

1. *IS 456-2000- Indian Standard. Plain and Reinforced concrete -Code of practice
2. *Design Aid SP 16
3. *IS 800: 2007 (General construction in steel-Code of practice)*
4. *SP: 6(1) (Handbook for structural engineers-Structural steel sections
5. Explanatory hand book SP24.
6. Detailing of Reinforcement SP 34

Note: The codes marked with * are permitted in examination.

Fifth Semester							
S. No.	Category	Code	Course Title	Hours per week			Credits
				L	T	P	
	Professional Core courses*	BTCE-506-18	**Geotechnical Engineering#**	3	0	0	3

After studying this course, students shall be able to:

1. Comprehend the various geotechnical field challenges and understand their fundamental, index and engineering properties and then use (apply) the soil as an engineering material.
2. Investigate and write the laboratory reports for soil design properties and parameters by apply the concept of permeability, total and effective stress approaches in soil strength determination
3. Apply the various specifications of compaction of soils in the construction of highways and earthen dams.
4. Able to apply the knowledge of consolidation, soil deformation parameters, and calculate settlement magnitude and rate of settlement.
5. Design the embankment slopes and check the stability of finite slopes.

Unit-I:*Basic Concepts*- Definition of soil, Comparison between soil mechanics, rock mechanics and geotechnical engineering, Scope of soil mechanics problems in Civil Engineering. Principal types of soils in India. Characteristics of main Clay mineral groups. Soil as three phase system: weight volume relationship and determination of moisture content from nuclear method, alcohol method and sensors. Determination of Specific gravity by density bottle method, pycnometer method. Field density from sand replacement method and other methods.

Index Properties: Grain size analysis. Stokes's law and Hydrometer analysis. Consistency and sensitivity of Clay, Atterbeg Limits, Flow Index and Toughness Index. Underlying theory of shrinkage limit determination. Classification of coarse and fine grained soils as per Indian Standard.

Unit-II :*Permeability of Soil*- Darcy's law, validity of Darcy's law. Determination of coefficient of permeability: Laboratory method: constant-head method, falling-head method. Field method: pumping- in test, pumping- out test. Permeability aspects: permeability of stratified soils, factors affecting permeability of soil. Seepage Analysis- Introduction, stream and potential functions, characteristics of flow nets, graphical method to plot flow nets.

***Effective Stress Principle*-** Introduction, effective stress principle, nature of effective stress, effect of water table. Fluctuations of effective stress, effective stress in soils saturated by capillary action, seepage pressure, quick sand condition.

Unit-III:*Compaction of Soil*-Introduction, theory of compaction, laboratory determination of optimum moisture content and maximum dry density. Compaction in field, compaction specifications and field control.

Consolidation of Soil - Introduction, comparison between compaction and consolidation, initial, primary & secondary consolidation, spring analogy for primary consolidation, interpretation of consolidation test results, Terzaghi's theory of consolidation, Concept of various consolidation characteristics i.e. av, mv and cv, primary and secondary consolidation concept of cv, tv& U. Consolidation test: determination of cv from curve fitting methods, Pre consolidation pressure determination. Normally consolidated and over consolidated clays. Causes of over-consolidation. Effect disturbance on e-Log σ curves of normally consolidated clays, importance of consolidation settlement in the design of structures. final settlement of soil deposits, computation of consolidation settlement and secondary consolidation.

Unit-IV: ***Shear Strength*-** Mohr circle and its characteristics, principal planes, relation between major and minor principal stresses, Mohr-Coulomb theory, types of shear tests: direct shear test, merits of direct shear test, triaxial compression tests, test behaviour of UU, CU and CD tests, pore-pressure measurement, computation of effective shear strength parameters. unconfined compression test, vane shear test

***Stability of Slopes*-** Introduction, types of slopes and their failure mechanisms, factor of safety, analysis of finite and infinite slopes, wedge failure Swedish circle method, friction circle method, stability numbers and charts

Text/Reference Books:

1. Soil Mechanics by Craig R.F., Chapman & Hall
2. Fundamentals of Soil Engineering by Taylor, John Wiley & Sons
3. Soil Mech. & Foundation Engg. by K.R.Arora Standard *Publishers* Distributors
4. Geotechnical Engineering, by P. Purshotama Raj *Tata Mcgraw Hill*
5. Soil Mech. & Foundation Engg., by V.N.S.Murthy CBS *Publishers* & Distributors.
6. Principle of Geotechnical Engineering by B.M.Das Cengage Publisher
7. Basic and applied Soil Mechanics by Gopal Ranjan and A.S. R. Rao New Age International Publishers
8. Geotechnical Engineering by Gulati and Datta, Tata McGraw Hill
9. Problems in Soil mechanics and Foundation Engineering by B.P.Verma, Khanna Publishers.

S. No.	Category	Code	Course Title	Hours per week			Credits
				L	T	P	
7	Professional Core courses	BTCE-507-18	**Geotechnical Lab**	0	0	2	1

External Marks: 20, Internal Marks: 30, Total Marks: 50

1. Determination of in-situ density by core cutter method and Sand replacement method.
2. Determination of Liquid Limit & Plastic Limit.
3. Determination of specific gravity of soil solids by pyconometer method.
4. Grain size analysis of sand and determination of uniformity coefficient (Cu) and coefficient of curvature (Cc).
5. Compaction test of soil.
6. Determination of Relative Density of soil.
7. Determination of permeability by Constant Head Method.
8. Determination of permeability by Variable Head method.
9. Unconfined Compression Test for fine grained soil.
10. Direct Shear Test
11. Triaxial Test
12. Swell Pressure Test

Books Recommended:-

Soil Testing Engineering, Manual By Shamsher Prakash and P.K. Jain. Nem Chand & Brothers

S. No.	Category	Code	Course Title	Hours per week			Credits
				L	T	P	
8	Professional Core courses	BTCE-508-18	**Environmental Engineering Lab**	0	0	2	1

External Marks: 20, Internal Marks: 30, Total Marks: 50

1. To measure the pH value of a water/waste water sample.
2. To determine optimum Alum dose for Coagulation.
3. To find MPN for the bacteriological examination of water.
4. To find the turbidity of a given waste water/water sample
5. To find B.O.D. of a given waste water sample.
6. To measure D.O. of a given sample of water.
7. Determination of Hardness of a given water sample
8. Determination of total solids, dissolved solids, suspended solids of a given water sample.
9. To determine the concentration of sulphates in water/wastewater sample.
10. To find chlorides in a given sample of water/waste water.
11. To find acidity/alkalinity of a given water sample
12. To determine the COD of a wastewater sample.

Books Recommended:

1. Chemistry for Enviromental Engg. and Science by Sawyer & McCarty, TMH, New Delhi
2. Standard Methods for the examination of water & wastewater, APHA, AWWA, WE

S. No.	Category	Code	Course Title	Hours per week			Credits
				L	T	P	
9	Professional Core courses	BTCE-509-18	**Structural Lab**	0	0	2	1

External Marks: 20, Internal Marks: 30, Total Marks: 50

1. Deflection of a simply supported beam and verification of Clark-Maxwell's theorem.
2. To determine the Flexural Rigidity of a given beam.
3. Deflection of a fixed beam and influence line for reactions.
4. Deflection studies for a overhang beam and influence line for reactions.
5. Structural Drawings of Reinforced Concrete Elements such as Beams, Slabs.
6. Structural Drawings of Steel Elements such as Connections, Tension Members, Compression Members, Beams,

S. No.	Category	Code	Course Title	Hours per week			Credits
				L	T	P	
10	Professional core	BMPD-501-18	**Mentoring and professional development**	-	-	2	0

Guidelines regarding Mentoring and Professional Development

The objective of mentoring will be development of:

- Overall Personality
- Aptitude (Technical and General)
- General Awareness (Current Affairs and GK)
- Communication Skills
- Presentation Skills

The course shall be split in two sections i.e. outdoor activities and class activities. For achieving the above, suggestive list of activities to be conducted are:

Part – A (Class Activities)

1. Expert and video lectures
2. Aptitude Test
3. Group Discussion
4. Quiz (General/Technical)
5. Presentations by the students
6. Team building Exercises

Part – B (Outdoor Activities)

1. Sports/NSS/NCC
2. Society Activities of various students chapter i.e. ISTE, SCIE, SAE, CSI, Cultural Club, etc.

Evaluation shall be based on rubrics for Part – A & B.
Mentors/Faculty incharges shall maintain proper record student wise of each activity conducted and the same shall be submitted to the department.

SBSSTC Ferozepur

Head CE <hodce@sbsstc.ac.in>

Regarding finalization of contents of syllabus for B.Tech. Civil Engg. 5th semester.

rajiv chauhan <rajiv.meet@gmail.com> Tue, Jul 7, 2020 at 4:46 PM
To: Head CE <hodce@sbsstc.ac.in>

Dear Sir,
Its Ok from my side.

On Mon, Jul 6, 2020 at 2:19 PM Head CE <hodce@sbsstc.ac.in> wrote:
[Quoted text hidden]

--
Dr. Rajiv Chauhan
Associate Professor and Head
Deptt. of Civil Engineering,
IKG Punjab Technical University (Main Campus),
Kapurthala, Punjab
India.
(M) 91-9416496964
91-94658-84852

SBSSTC Ferozepur

Head CE <hodce@sbsstc.ac.in>

Regarding finalization of contents of syllabus for B.Tech. Civil Engg. 5th semester.

Geo Media <geomediaengineering@gmail.com> Wed, Jul 8, 2020 at 10:58 AM
To: Head CE <hodce@sbsstc.ac.in>
Cc: rajiv chauhan <rajiv.meet@gmail.com>, Bohar Singh <boharsingh@gmail.com>, Dapinder Deep Singh <khosa1111@gmail.com>, Parampreet Kaur <parampreetk70@gmail.com>, Sidhant chopra <sidhantsbs225@gmail.com>, jaspalsingh@pau.edu, Gurprit Bath <gpsbath66@gmail.com>, GURPREET SINGH <gurpreet3622@gmail.com>

Dear Sir,

I have gone through the syllabus contents which seems to be good and therefore accepted from my side. This is for your kind information and necessary action.

On Mon, Jul 6, 2020 at 2:19 PM Head CE <hodce@sbsstc.ac.in> wrote:
[Quoted text hidden]

--
With regards

Er. I.S. BATH
Geo Media Engineering & Consultancy Services Pvt. Ltd., Bathinda.
(An ISO 9001:2015 Certified Company & NABL Accredited Laboratory)
Contact No. +91-9569670700, 0164-5012700
Website: www.geomediaengineering.in,

SBSTC
Ferozepur

Head CE <hodce@sbsstc.ac.in

Regarding finalization of contents of syllabus for B.Tech. Civil Engg. 5th semester.

Sidhant chopra <sidhantsbs225@gmail.com>
To: Head CE <hodce@sbsstc.ac.in>

Wed, Jul 8, 2020 at 1:22 PM

Sir i have gone through the scheme of syllabus sent by you. I found the scheme suitable and there is no change required.It is approved by me.
[Quoted text hidden]

(23)

SBSSTC Ferozepur

Head CE <hodce@sbsstc.ac.in>

Regarding finalization of contents of syllabus for B.Tech. Civil Engg. 5th semester.

dapinder khosa <khosa1111@gmail.com> Fri, Jul 10, 2020 at 10:06 AM
To: Head CE <hodce@sbsstc.ac.in>

I have gone through the contents of the syllabus of 5th semester and may be followed as such.

On Mon, Jul 6, 2020 at 2:19 PM Head CE <hodce@sbsstc.ac.in> wrote:
[Quoted text hidden]

--
With highest regards

Er. Dapinder Deep Singh
Assistant Professor
Department of Civil Engineering
Shaheed Bhagat Singh State Technical Campus,
Ferozpur-152004, Punjab (India)
M.95016 00089

SBSSTC Ferozepur

Head CE <hodce@sbsstc.ac.in>

Regarding finalization of contents of syllabus for B.Tech. Civil Engg. 5th semester.

Bohar Singh <boharsingh@gmail.com>
To: Head CE <hodce@sbsstc.ac.in>

Fri, Jul 10, 2020 at 10:12 AM

I presume that syllabus finalized by IKGPTU may be followed as such.

On Mon, Jul 6, 2020 at 2:19 PM Head CE <hodce@sbsstc.ac.in> wrote:
[Quoted text hidden]

--
With Kind Regards

Dr. Bohar Singh
Dean Consultancy
Shaheed Bhagat Singh State Technical Campus
Ferozepur (Punjab)
Ph. No. 8146992581

SBSSTC Ferozepur

Head CE <hodce@sbsstc.ac.in>

Regarding finalization of contents of syllabus for B.Tech. Civil Engg. 5th semester.

Dr. Gurprit Singh Bath <gpsbath66@gmail.com> Tue, Jul 7, 2020 at 6:12 PM
To: Head CE <hodce@sbsstc.ac.in>

Syllabus is fine, we can move ahead
[Quoted text hidden]

SBSSTC Ferozepur

Head CE <hodce@sbsstc.ac.in>

Regarding finalization of contents of syllabus for B.Tech. Civil Engg. 5th semester.

Parampreet Kaur <parampreetk70@gmail.com>
To: Head CE <hodce@sbsstc.ac.in>

Fri, Jul 10, 2020 at 10:10 AM

Respected sir,
The content of syllabus of 5 th sem for batch 2018 is ok from my side.
Thanks and regards.
[Quoted text hidden]
--
Er. Parampreet kaur
TPI-Civil Deptt.
SBSSTC, Ferozepur

SBSSTC
Ferozepur

Head CE <hodce@sbsstc.ac.in

Regarding finalization of contents of syllabus for B.Tech. Civil Engg. 5th semester.

aspal singh <jaspalsingh@pau.edu>
To: Head CE <hodce@sbsstc.ac.in>

Tue, Jul 7, 2020 at 12:07 PM

I presume that the syllabus proposed conforms to IKGPTU syllabus. It may be followed as such.

Thanking you
Yours Faithfully
[Quoted text hidden]
--
Dr.JASPAL SINGH
Professor
Civil Engg Department
PAU Ludhiana
Phone: (o) 0161-2401960-259extension
(Mobile) 09463313427
Residence: Jaspal Singh
6-GF, BLOCK E, Geetanjali Apartments,
RISHI NAGAR, LUDHIANA

(20)

SBSSTC Ferozepur

Head CE <hodce@sbsstc.ac.in>

Regarding finalization of contents of syllabus for B.Tech. Civil Engg. 5th semester.

GURPREET SINGH <gurpreet3622@gmail.com> Fri, Jul 10, 2020 at 11:03 AM
To: Head CE <hodce@sbsstc.ac.in>

Respected Sir,
The Scheme and Content of Syllabus of B-Tech. Civil Engineering which seems to be fine and accepted by me.This is for your kind information and necessary action please.
With Kind Regards

Er. Gurpreet Singh
Assistant Professor
Department Of Civil Engineering
Shaheed Bhagat Singh State Technical Campus
Ferozpur-152004,Punjab
M.09988995511

On Mon, Jul 6, 2020 at 2:19 PM Head CE <hodce@sbsstc.ac.in> wrote:
[Quoted text hidden]

Annexure 4

Minutes of Meeting

A meeting of the Director, Registrar, Head of departments, Dean Academics and Controller of examination was held on 13/5/20 at 11:30 AM online, in the continuation of meeting held on 12/5/20. The following were present:

1. Dr. T.S. Sidhu, Director
2. Mr. J. K. Agaarwal, Registrar
3. Dr. Rajni, HOD ECE
4. Dr. Sangeeta Sharma, HOD DASH
5. Mr. Japinder Singh, HOD CSE
6. Mr. Deepinderdeep singh, HOD CE
7. Mrs. Navneet Kaur, HOD EE
8. Mr Sukhwant Singh, HOD ME
9. Mr. Anil Bansal, HOD CA
10. Mr. Avinash Singh, HOD Arch
11. Dr. Sunny Behal, DA
12. Dr. Harinder pal Singh, Principal PW
13. Dr. Rajeev K Garg, COE & HOD CHE

In the meeting, the various issues related examinations and other academic activities required for closing the even semester 2019-20 were discussed. The following are discussed and agreed upon:

1. The measures being deliberated are only limited to this session Jan-May 2020, due to the unprecedented conditions being faced in view of COVID pandemic.
2. The end semester examinations of the passing out batches may be held during 1st - 15th July 2020 and for the other batches, decision about conduct of examinations may be taken later on as per the prevalent conditions.
3. The mid semester examination and end semester practical examinations may be held online, as per the decision of IKGPTU Kapurthala.
4. As per the feedback from the HODs, Internet connectivity is a problem. Also, students in rural areas and some other areas particularly Jammu & Kashmir region may not be able to participate in the online examination activities. For such cases, students who are left out due to such reasons, the students may be allowed to appear for a special test when they join the institute for end semester theory examinations
5. In case of Major Project, the end semester examination may be held online in the presence of external expert or interdepartmental expert. The external expert/ interdepartmental expert may be appointed by the department with the approval of the Director. In some departments, HODs informed that the students have to demonstrate the project in hardware format. Further, the students may be allowed to demonstrate the project in hard form when they join for the end semester theory examinations. The marks component for demonstration may be awarded at that point of time.

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Rajeev Kumar.

6. For the mid semester and end semester examination of Thesis (for B. Arch.), online examination may be held in presence of external expert. The external expert may be appointed with the approval of the director.
7. In case, due to any problem with online examinations, if the mid semester (theory/practical) or the end semester practical awards are not compiled for some students, the results of the branch/ course may be compiled based on mean and sigma for the data of awards available. The result of such students shall be marked RESULT LATE. The result of such students will be compiled, once their awards are ready, based on mean and sigma already calculated.
8. The regular end semester theory examinations may be conducted in one session per day with adequate segregation for social distancing.
9. The students may be allowed to apply for reappears without paying any reappear examination fee, as fee collection may be tedious. The students shall be required to submit the fee when they join the institute for end semester examination or they may give an undertaking that the reappear fee may be deducted from their college security amount.
10. Students may not be charged any late fee for applying for reappear examinations in this session, considering the peculiar circumstances. In case some students fail to apply for the reappear due to some reason, he/she may be allowed to apply on joining the institute. The reappear forms may be locked by the departments on receiving the confirmation of fee payment.
11. After the data about reappears is generated, a suitable decision may be taken to plan conduct of reappear examinations for the passing out batch.
12. Form filling for this examination session may be started for all batches.

Submitted for Approval, Please

Director

Approved Through Email.

Shaheed Bhagat Singh State Technical Campus, Ferozepur

Common proceedings of all Meetings held on 29.05.2020

Different meetings were held on 29.05.2020 in the Room No. D-114 in order to discuss the various works related to the institute. The following members were present:

1. Mr. J K Aggarwal, Registrar
2. Dr. Rajni, HOD ECE
3. Dr. Sangeeta Sharma, HOD DASH
4. Dr. Rajiv Arora, HOD, Chemical Engg
5. Dr. Avinash, HOD, B.Arch.
6. Dr. Tejeet Singh, Member- Admission Committee
7. Dr. Amit Arora, Dean Students Welfare
8. Dr. Sunny Behal, Dean Academics
9. Dr. Bohar Singh, Dean, P&D
10. Mr. Sukhwant Singh, HOD, ME
11. Mr. Deepinder Singh, HOD Civil
12. Mr. Japinder Singh, HOD CSE
13. Mr. Anil Bansal, HOD CC
14. Dr. R P Singh, Chief Warden
15. Mr. Tejpal, Estate Officer
16. Dr. Harinder Pal Singh, Principal-Polywing
17. Dr. Arun K Asati, Nodal Officer-COVID19

The following decisions were taken unanimously:

1. Dean- Affiliation and Approvals (DAA) will tie up with IKG PTU and respective HoDs regarding the affiliation related to new non-AICTE courses. DAA and HOD-BSc Agriculture will ensure to pursue case for the approval of BSc Agriculture course from Punjab State Council of Agriculture Education / ICAR with in week.
2. DAA will coordinate with Registrar for the advertisement of new faculty positions for the new courses or existing courses as per the AICTE / PTU norms.
3. All HODs must ensure to conduct the internal MSTs of the students, if not conducted earlier and compile the sessional marks of the present semester. If any student is not able to take the MST during lockdown due to some internet connection, then the result of that student may be delayed for the time being. That student shall again be allowed to take his MST after the lockdown or his result may be marked as "**Result Late**". However, there will not be any delay in the compilation of the results of final year students.

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4. Incharge-Admission Cell will ensure to send the complete advertisement of all the departments in different print and electronic media, highlighting the key achievements of the college, campus area of 98 acres of land, large classrooms and laboratories in order to take care of all the advisories of the Punjab Government to prevent COVID-19.
5. Principal - Polywing will ensure to send the separate advertisements in different print and electronic media regarding the admission in diploma courses.
6. Dean Academics will coordinate with all HODs to plan the conduct of the classes before the resumption of regular session w.e.f. 1 August 2020, strictly following the norms of "social distancing" and advisory issued by the Punjab Government related to COVID-19 and as per the latest guidelines of PTU / AICTE to avoid any eventuality arising due to COVID-19. If required, regular classes and practical classes may have to split in to multiple groups. In such case, all HODS will distribute the additional teaching load with in the existing faculty. Further, the departments may also mutually coordinate to allocate Lecture halls depending on the number of students and size of the Lecture hall.
7. Estate Officer will ensure to make entries of the visitors in the register maintained at the Main Gate. All visitors will be Thermal scanned and hand sanitized before entering to the college in order to prevent the spread of COVID-19.
8. Estate Officer will ensure the proper cleaning and sanitization of the college campus as per the guidelines / directions issued by the Punjab Government from time to time.
9. Chief Warden will ensure the cleaning and sanitization of the hostels before the coming of the students in the hostels for examinations and admissions.
10. Registrar will ensure to complete the work related to medical leave / earned leave, CPF statements, Income tax returns, balance sheet, Form 16 to the employees. Registrar will also prepare the agendas of Finance committee meeting and BOG meeting and; store and purchase committee meeting.
11. CoE will coordinate with the university to decide the mode of conduct of final year examinations so that students can be inform in time. COE will also ensure to make all the necessary arrangements to conduct the practical and theory examinations as per the IKGPTU / AICTE / guidelines.
12. Principal, Diploma is requested to ensure all the necessary arrangements for the conduct of practical and theory examinations of Diploma students as per the guidelines issued by PSTE and to arrange training of the students as per the curriculum.

29/9/20

13. HOD-CSE and HOD-CC will explore the various options to purchase the licensed software for the conduct of online classes in the next semester.
14. Nodal Officer-Covid19 will plan and execute the activities related to Covid19 by coordinating with all the HoD's, NSS/NCC Incharges, Estate Officer, etc.
15. HOD-CSE and Dean Academics will explore the process of online advertising for admissions through Facebook.

29/5/2020
Director

CC:

The Registrar
All HODs / Deans / COE / Section Incharges