

Supporting Documents

1.4.2

Department Wise Action taken Report on Feedback



Supporting Documents

Department of Civil Engineering

1.4.2

Action Taken Report on Feedback





I.K GUJRAL PUNJAB TECHNICAL UNIVERSITY

(MAIN CAMPUS), KAPURTHALA

DEPARTMENT OF CIVIL ENGINEERING

Ref: IKGPTU/CE/3547/1

Date: - 13/10/2021

Notice

The meeting regarding Structured Feedback for Design and Review of Syllabus is to be held on 14/9/2021 in the office of Head of Civil Engineering Department at 11:00AM.

All the members are requested to be present accordingly.

Dr. Rajiv Chauhan

Head

Gurpreet Singh

Clerk

CC:

- All concerned
- Office File

Head
Department of Civil Engineering
IKG PTU Main Campus
Kapurthala-144601


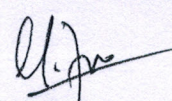
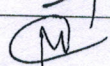

I.K GUJRAL PUNJAB TECHNICAL UNIVERSITY
(MAIN CAMPUS), KAPURTHALA

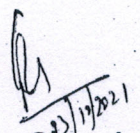
DEPARTMENT OF CIVIL ENGINEERING

Ref: IKGPTU/CE/354712

Date: - 13/10/21

Regarding Attendance of the members present in the meeting for Structured Feedback for Design and Review of Syllabus is to be held on 14/9/2021 are given below:-

Sr. No	Name	Designation	Signature
1	Dr. Rajiv Chauhan	Assoc. Prof & HEAD	
2	Dr.Md Fuzail Jawaid	Asst. Prof	
3	Er.Mohit Talwar	Assistant Prof	
4	Er. Harmandeep Kaur	Assistant Prof	


Dr.Rajiv Chauhan
Head


Head
Department of Civil Engineering
IKG PTU Main Campus
Kapurthala-144603

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY

(MAIN CAMPUS), KAPURTHALA

DEPARTMENT OF CIVIL ENGINEERING

Ref. No. IKGPTU/CE/3548

Date: 13/10/2021

Action Taken Report on Design and Review of Syllabus

The Department of Civil Engineering obtained feedback on design and review of syllabus from various stakeholders, namely students, parents, teachers and alumni to improve the process of teaching learning. The feedback was obtained on structured questionnaire. The data was also analyzed and a feedback report was prepared to gain insights into the areas where changes / improvements are needed. On the basis of feedback obtained, following actions were taken to incorporate the improvements suggested by various stakeholders.

S. No.	Recommendation	Actions Taken
1.	Enhancement of learning	Civil Engineering follows a unique experiential form of teaching pedagogy where students are encouraged 'learning by doing'. To ensure this following measures have been taken: 1. The curriculum of Civil Engineering include field visit, practicals and experiments etc. 2. The faculty members are conducted classes through Zoom/Googlemeet/. Google Classroom has also been used to share digital resources, reading materials, video lectures notes with the students.
2.	Enhancement of employability of students.	Following events were organized for the students to enhance their employability skills: 1. Software Training talk on Civil Engineering Software used in Industry. 2. Skill development exercise are held under Mentoring & Professional Development course (Each Semester).
3.	Developing Industry relevant skills	Following events were organized for the students to enhance Industry relevant skills: 1. Visit to show case Foundation details and RCC reinforcement on 10.02.2020 2. Visit to rail coach factory was arranged on 14.03.2020 3. Visit to Sewage Treatment Plant was held on 05.03.2020 for the students of 6 th semester.
4.	Developing entrepreneurial skills	1. Survey Camp is summer training is part of course. 2. One day Seminar was Organised on "Advancement in Concrete Technology (ACT-2017) on 15.09.2017
5.	Holistic development of students	The Department has organized following events organized to ensure holistic development of students: 1. The University has organized the One day Seminar on Preparation of Competitive Exam (GATE, ESE, SSC JE) on 28.01.2020 2. Seminar on Drug-deaddiction (27 th October, 2020).


Head
Department of Civil Engineering
IKG PTU Main Campus
Kapurthala-144603

		3. A webinar to take Integrity Pledge for Citizens of India as released by Central Vigilance Commission on 3 rd November, 2020.
6.	Co-curricular and extra-curricular	<ol style="list-style-type: none"> 1. Swachh Bharat Abhiyan and tree plantation was done on 25.10.2019 2. Freshers Party NIRMAN was held on 26.09.2019. 3. The eve of Engineer's Day was organised on 15.09.2017 4. The Online event was organized on the eve of Engineer's day on 15.09.2021 5. Freshman Introduction Function was conducted on 09.10.2018
7.	Improvement of Library Facilities	<p>1) University library is offering following facilities to facilitate learning and improve access to the resources. Engineering Journals of following databases have been subscribed in the library:</p> <p>Science Direct (Elsevier)</p> <ul style="list-style-type: none"> • Emerald • IEEE • Springer Nature • Taylor & Francis • BIS Standards: Complete set of Bureau of Indian Standards. • JSTOR <p>Indiastat.com: Indiastat provides socio economic statistical information about India, its states, regions and sector. Indiastat.com is a cluster of 6 associate websites wherein 19 websites are sector-specific, 6 are regional website and 31 websites are stat-s_E_cificS</p> <p>ubscribing ndiastat.com contains all the statistical information available on its 56 associate websites. These statistical data information can be very useful for various researches and reports.</p> <ul style="list-style-type: none"> • 39 journals (Online) <p>2) Books:</p> <p>3) Mobile Application of Knowledge Resource Centre</p> <p>4) Kindle lending services to students and faculty.</p>
8.	Training and Placement Support	<p>The University has a separate Corporate Relations and Alumni (CR & A) department looking after Placement and entrepreneurial activities with faculty representatives from various department).</p> <p>The Department of Civil Department also has dedicated Training and Placement Faculty Coordinator and Entrepreneur Development Cell Coordinator to maintain a continuous liaison with Class Representative. To ensure smooth conduct of placement and entrepreneurial activities specifically focusing on the needs and skills of Civil Engineering students. Further student placement and E-Cell coordinators are selected for facilitating the placement process.</p>
9.	Faculty Competence	In order to enhance level of competence faculty members of Department of Civil Engineering

		regularly attend workshops / FDPs and Conferences.
10.	Improvement in Lab Facilities in Department	A Computer laboratory of 25 Desktops; 1 Server; Hi Speed Wi-Fi has been established in the Department with Autocad & STAADPRO softwares.
11.	Improvement in Sports Facilities	<p>In order to stay healthy, mentally and physically, students are encouraged to fit participate in various sports activities.</p> <p>1. The Department club CIVILIA held the event of Cricket match 1st and 2nd year civil students.</p> <p>2. As per Registrar Office Order No. IKGPTU/REG/2002 Dated 09/09/2019, various coordinators for different games were assigned.</p> <p>3. Inter College Volleyball (M & W) Tournament held at Main Campus, IKGPTU Kapurthala from Nov.13-15,2019.</p> <p>4. Inter College Lawn Tennis (M & W) Tournament held at Main Campus, IKGPTU Kapurthala from Oct.17-18,2019.</p>
12	Improvement in Canteen Facilities	In addition to canteen, the University has installed two kiosks near the academic buildings. Kiosks offer a wide range of eatables to the students. The administration of kiosks also ensures cleanliness and appropriate space for sitting.



Dr. Rajiv Chauhan
Chairman BOS (Civil & Environment Engg.)
IKGPTU.


Head
Department of Civil Engineering
IKG PTU Main Campus
Kapurthala-144603

Supporting Documents

Department of Electronics & Communication Engineering

Action Taken Report on Feedback



1.4.2: Action Taken Report – Department of Electronics and Communication Engineering

The Departmental feedback reports has been collected from the Faculty, Students, Research scholars from the Design and Review of the syllabus and curriculum point of view. It has been observed that the quality of the content is appreciated by the Students at B.Tech as well as M.Tech levels. The coverage and delivery of the content of the syllabus has really mattered. Advanced topics developed ability to critically analyse the problem, formulate the innovative framework to find the solution for it. The syllabi are being covered well in time always. The students as well as faculty has liked the appropriateness of the Program outcomes and learning outcomes of the courses being delivered. The curriculum has been revised from time to time as per the requirements. Advanced topics have been incorporated wherever needed and is being appreciated by the stakeholders. The curriculum that is designed is relevant for employability also. So, the revised curriculum has an impact on developing the analytical skills of both the students as well as faculty. At the same time, the Projects and software development courses in curriculum may contribute towards the development of industry-oriented skills. These help to develop the research design, conduct experiments, gather results- analyse and interpret them through technical knowledge to come to a valid conclusion. Also, writing the project reports added to their ability to communicate effectively with peers and higher authorities both orally and in-writing in academic as well as professional environment. In all, the revised curriculum adds to the wholistic development of the student. Moreover, the Co-curricular and Extra-curricular activities are given to students which greatly impact their managing skills and contribute towards their personal and professional development. Such activities help to keep engaged in life-long learning as a means of enhancing knowledge and skills for continuous professional advancement.


Co-ordinator BOS (ECE)


Registrar


Chairman BOS (ECE)

Head

Department of Electronics & Communication Engineering
IK Gujral Punjab Technical University
Main Campus, Kapurthala (Punjab)-144601

Supporting Documents

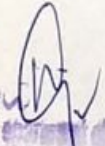
Department of Mechanical Engineering

1.4.2

Action Taken Report on Feedback



ACTION TAKEN REPORT


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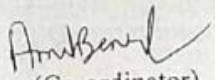
I.K. Gujral Punjab Technical University

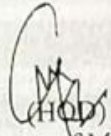
Department of Mechanical Engineering

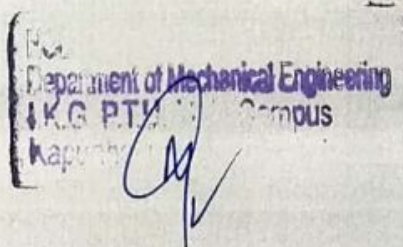
Action Taken Report of Student's and Teacher's Feedback on Curriculum

Session 2020-21

Sr. No.	Important suggestions/comments that need further action	Action taken
1.	Theory exam should be the part of the curriculum for the course Engineering Graphics and Design (BTME- 101-18).	The matter was taken in the meeting of BOS Mechanical Engineering on 30.07.2021 and the syllabus was revised.
2	Syllabus of course Engineering Graphics and Design (BTME- 101-18) needs to be reviewed.	The theory exam for the course was also introduced


(Co-ordinator)
BOS Mechanical Engineering


(HOD)
Department of Mechanical
Engineering



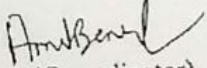
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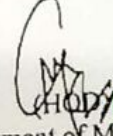
Department of Mechanical Engineering

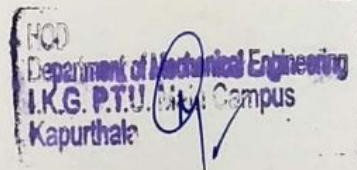
Action Taken Report of Student's and Teacher's Feedback on Curriculum

Session 2020-21

Sr. No.	Important suggestions/comments that need further action	Action taken
1.	Theory exam should be the part of the curriculum for the course Engineering Graphics and Design (BTME- 101-18).	The matter was taken in the meeting of BOS Mechanical Engineering on 30.07.2021 and the syllabus was revised.
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(Co-ordinator)
BOS Mechanical Engineering


(HOD/Chairman BOS)
Department of Mechanical
Engineering



Supporting Documents

Department of Management

1.4.2

Action Taken Report on Feedback



DEPARTMENT OF MANAGEMENT (DOM)
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY MAIN CAMPUS

D. No. IKGPTU/DOM/ 5536

DATED: 8 / 1 / 2021

Action Taken Report on Design and Review of Syllabus

The Department of Management obtained feedback on design and review of syllabus from various stakeholders, namely students, parents, teachers and alumni to improve the process of teaching learning. The feedback was obtained on structured questionnaire. The data was also analyzed and a feedback report was prepared to gain insights into the areas where changes / improvements are needed. On the basis of feedback obtained, following actions were taken to incorporate the improvements suggested by various stakeholders.

S. No.	Recommendation	Actions Taken
1.	Enhancement of learning	DOM follows a unique experiential form of teaching pedagogy where students are encouraged 'learning by doing'. To ensure this following measures have been taken: 1. The curriculum of DOM compulsorily includes case studies; games; exercises; role plays etc. 2. It is mandatory in the final exams also to include a case study / case let for evaluation. All these activities make classroom interesting and engaging for students. 3. The faculty members have created virtual classes for all subjects at Google Classroom. Google Classroom has also been used to share digital resources, reading materials, video lectures with the students.
2.	Enhancement of employability of students.	Following events were organized for the students to enhance their employability skills: 1. Mock Placement Test in association with hitbullseye.com. 2. Leadership Talk Series organized by MHRD's Innovation cell. 3. IKGPTU Alumni Lecture Series 4. Online Placement Drives 5. Workshop on Communication skills, Interview Preparation and Body Language (29 th Nov, 2020).

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Head
Department of Management
I.K. Gujral Punjab Technical University
Kapurthala-144 603

DEPARTMENT OF MANAGEMENT (DOM)
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY MAIN CAMPUS

3.	Developing Industry relevant skills	<p>Following events were organized for the students to enhance Industry relevant skills:</p> <ol style="list-style-type: none"> 1. Punjab State Chapter of PHD Chamber in association with Ministry of MSME, Punjab and IKGPTU organized video conference on Importance of Intellectual Property rights for start-ups (22th December, 2020). 2. Online Internship Drives
4	Developing entrepreneurial skills	<p>The University has established a dedicated E-Cell to promote entrepreneurial culture in IKGPTU. Following events were organized to enhance entrepreneurial abilities of students:</p> <ol style="list-style-type: none"> 1. IKGPTU in collaboration with The Indus Entrepreneur (TiE), has organized Online Entrepreneurship Awareness Camps (6-8 January, 2021) and TAP Business Plan competition to enhance entrepreneurial abilities of the students. Students of Department of Management have been participating in the events. 2. Start Up Caravan Virtual Workshop to know about Preparing Business Plan and Raising Capital was organized on 19th December, 2020 for the students of DOM. 3. Global Entrepreneurship Education Webinar Series in collaboration with Indo Universal Collaboration for Engineering Education (IUCEE). 4. The Entrepreneur speaks (online series of successful entrepreneurial stories). 5. Entrepreneurship Week, 2020 (Live your idea) (3-7th August, 2020) by E-cell, IKGPTU. 6. IKGPTU signed MoU with Amritsar Founders (22 startups / Industries) to promote entrepreneurial culture in IKGPTU. 7. E-Cell Orientation – Breaking the Myths about Entrepreneurship organized by E-cell IKGPTU & NEC on 19-10-2020.
5.	Holistic development of students	The Department has organized following

Signature

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Signature

Head
Department of Management
I.K. Gujral Punjab Technical University
Kapurthala-144 603

Signature

DEPARTMENT OF MANAGEMENT (DOM)
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY MAIN CAMPUS

		<p>events organized to ensure holistic development of students:</p> <ol style="list-style-type: none"> 1. A Seminar on Traffic rules (27th November, 2020) 2. Seminar on Drug-deaddiction (27th October, 2020). 3. A webinar to take Integrity Pledge for Citizens of India as released by Central Vigilance Commission on 3rd November, 2020.
6.	Co-curricular and extra-curricular activities	<ol style="list-style-type: none"> 1. Investors Awareness Program was organized on 8th May, 2020 for students of MBA, BBA and PhD. 2. Training session: EBSCO Business Source Ultimate, Discovery Service and Mobile App training session for Department of Management, IKGPTU Kapurthala was organized on December 18, 2020 for students, faculty and scholars.
7.	Improvement of Library Facilities	<p>University library is offering following facilities to facilitate learning and improve access to the resources.</p> <p>1) Management Journals of following databases have been subscribed in the library:</p> <ul style="list-style-type: none"> • Science Direct (Elsevier) • Emerald Management • Springer Nature • Taylor & Francis • EBSCO: Business Source Ultimate (Journals: 48,524) • BIS Standards: Complete set of Bureau of Indian Standards. • JSTOR • EBSCO Discovery Service • Indiastat.com: Indiastat provides socio economic statistical information about India, its states, regions and sector. Indiastat.com is a cluster of 6 associate websites wherein 19 websites are sector-specific, 6 are regional website and 31 websites are state-specific. Subscribing

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 Head
 Department of Management
 I.K. Gujral Punjab Technical University
 Kapurthala-144 603

DEPARTMENT OF MANAGEMENT (DOM)
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY MAIN CAMPUS

		<p>Indiastat.com contains all the statistical information available on its 56 associate websites. These statistical data/information can be very useful for various researches and reports.</p> <ul style="list-style-type: none"> • 39 journals (Online) 2) Books: 70 (Management) 3) Mobile Application of Knowledge Resource Centre 4) Kindle lending services to students and faculty.
8.	Training and Placement Support	<p>The University has a separate Corporate Relations and Alumni (CR & A) department looking after Placement and entrepreneurial activities with faculty representatives from various departments.</p> <p>The Department of Management also has dedicated Training and Placement Faculty Coordinator and Entrepreneur Development Cell Coordinator to maintain a continuous liaison with CR & A dept. of the University and to ensure smooth conduct of placement and entrepreneurial activities specifically focusing on the needs and skills of Management students. Further student placement and E-Cell coordinators are selected for facilitating the placement process. The Faculty and student coordinators as a team not only effectively manage the placement drives arranged by the CR & A dept but also make an effort to identify and connect with potential employers from different sectors to create better placement opportunities for Management students. The Placement Cell of the CR & A dept regularly organizes various workshops on a range of topics covering communication skills, interview process, professional development, career guidance etc. In addition to this at departmental level also students are taught skills like resume writing, presentation skills, group discussion, interview skills etc through conduct of mock interview sessions, personality development programmes.</p>

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Head
 Department of Management
 I.K. Gujral Punjab Technical University
 Kanurhala-144 603

DEPARTMENT OF MANAGEMENT (DOM)
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY MAIN CAMPUS

		seminar presentations etc to prepare them to face Interviews effectively and make them industry ready.
9.	Faculty Competence	In order to enhance level of competence faculty members of Department of Management regularly attend workshops / FDPs and Conferences. Various faculty members of DOM have attended more than 30 workshops / FDPs / Refresher courses during 2020.
10.	Improvement in Lab Facilities in Department	A Computer laboratory of 30 Desktops; 1 Server; Hi Speed Wi-Fi has been established in the Department.
11.	Improvement in Sports Facilities	<p>In order to stay healthy, mentally and physically, students are encouraged to fit participate in various sports activities.</p> <ol style="list-style-type: none"> 1. As per Registrar Office Order No. IKGPTU/REG/2002 Dated 09/09/2019, various coordinators for different games were assigned. Three faculty members from the Department of Management were deputed for different games. The games allotted were. Dr. Kapil Gupta (Cross Country), Dr. Sanjeev Bansal (Volleyball) and Dr. Roopali Batra (Handball). 2. Inter College Volleyball (M & W) Tournament held at Main Campus, IKGPTU Kapurthala from Nov.13-15,2019. 3. Inter College Lawn Tennis (M & W) Tournament held at Main Campus, IKGPTU Kapurthala from Oct.17-18,2019. 4. Two students from BBA-I (Akashdev and Sonali), and two students from MBA-III (Vikasdeep and Gurkaran), participated in Basketball tournament held at Baba Banda Singh Bahadur Engineering College, Shi Fatehgarh Sahib in Oct, 2019. 5. One student from BBA-I (Akashdev) participated in Marathon tournament held at Gulzar Group of Colleges, Libra near Khanna in Sep.2019.

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Head
Department of Management
I.K. Gujral Punjab Technical University
Kapurthala-144 603

DEPARTMENT OF MANAGEMENT (DOM)
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY MAIN CAMPUS

12.	Improvement in Canteen Facilities	In addition to canteen, the University has installed two kiosks near the academic buildings. Kiosks offer a wide range of eatables to the students. The administration of kiosks also ensures cleanliness and appropriate space for sitting.
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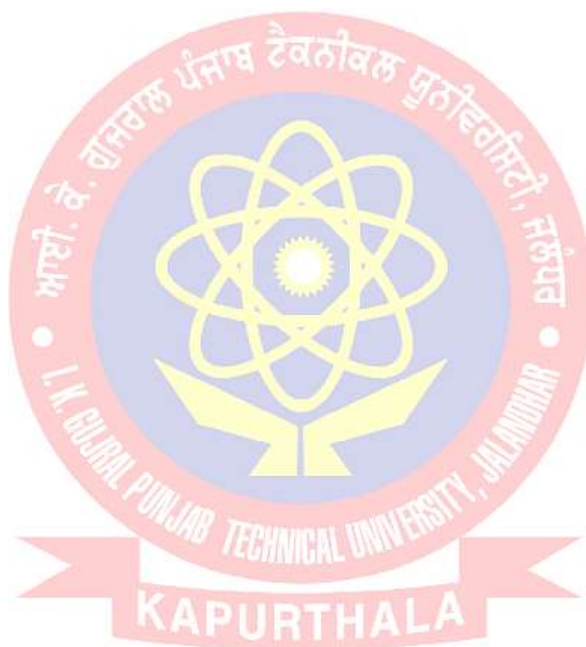
Head
Department of Management
I.K. Gujral Punjab Technical University
Kapurthala-144 603

Supporting Documents

Department of Hotel Management

1.4.2

Action Taken Report on Feedback



Department of Hotel Management
I.K.Gujral Punjab Technical University
Main Campus, Kapurthala

Ref.No. IKGPTU/DHM/2020-/D-80-A

Date:- 14-09-2021

Action Taken Report on Design and Review of Syllabus


The Department of Hotel Management obtained feedback on design and review of syllabus from various stakeholders, namely students, parents & teachers to improve the process of teaching learning. The feedback was obtained on structured questionnaire. The data was also analyzed and a feedback report was prepared to gain insights into the areas where changes/improvements are needed. On the basis of feedback obtained, following actions were taken to incorporate the improvements suggested by various stakeholders.

S.No	Recommendation	Actions Taken
1.	Enhancement learning	<p>Department of Hotel Management follows a unique practical form of teaching pedagogy where students are encouraged to perform more of practical work. To ensure this following measures have been taken:</p> <ol style="list-style-type: none"> 1. The curriculum of DHM mandatory includes project work, Industry visits, On Job Trainees. Exposure to hospitality industry be it hotels or Restaurants is given by faculty and industry experts. 2. The faculty members have shared digital resources, reading materials via google-classroom and email with the students. 3. Tracking the students' progress after completion of course .Through MST, quiz, assignments, projects etc.
2	Enhancement of employability of students	<p>Following events were organized for the students to enhance their employability skills:</p> <ol style="list-style-type: none"> 1. Workshops on Communication skills. 2. Face to face interactions with the experts from Industry. 3. Interview Preparation for both Training & Job and Personality development 4. Strengthening the abilities of students by skills, gaining knowledge of the present scenario of media industry including advertising, public relations, corporate communication, and digital communication.

Head
Department of Hotel Management
IKGPTU Main Campus
Kapurthala-144603

3	Development Industrial relevant skills	<p>Following events were organized for the students to enhance Industry relevant skills:</p> <ol style="list-style-type: none"> 1. Communication Skills are enhanced through workshop and Power point presentations in the class. 2. A hand on exposure is the best skill required in hospitality which is enhanced through practicals conducted at the campus. 3. To understand the working of Hotels & Restaurants, industrial visits are planned for students to various Hotels such as Ramada Kapurthala, WJ Grand Jalandhar, etc. 4. Mandatory Internship in any Hotel of International repute.
4	Development entrepreneurial skills	<ol style="list-style-type: none"> 1. Students are motivated to participate in various events by putting up a stall to sell various Food items. Food Mela at Punjab Agricultural University was an example where students showcased their entrepreneurial skills and earned money.
5	Holistic development of students	<p>The department has organized following event to ensure holistic development of students.</p> <p>Celebration of various important festivals and days like Republic day, Independence day, lohri, diwali etc...</p>
6	Co-curricular and extra – curricular activities	<ol style="list-style-type: none"> 1. One day expert lecture on Indian Cookery was held by Chef Gagandeep Humpal, Assistant Professor, IHGI Jalandhar 25.02.2020
7	Improvement of library Facilities	<p>University library is offering following Facilities to facilitate learning and improve access to the resources.</p> <p>1) Following databases have been subscribed in the library:</p> <ul style="list-style-type: none"> • Mobile Application of knowledge Resource centre

8	Training and Placement support	<ul style="list-style-type: none"> • The University has a separate Corporate Relations and Alumni (CR & A) department looking after Placement and entrepreneurial activities with faculty representatives from various departments. • In addition to this at departmental level also students are taught skills like Interview preparation, resume writing, presentation
9	Faculty Competence	In order to enhance level of competence faculty members regularly attend workshops/FDPs and Conferences.

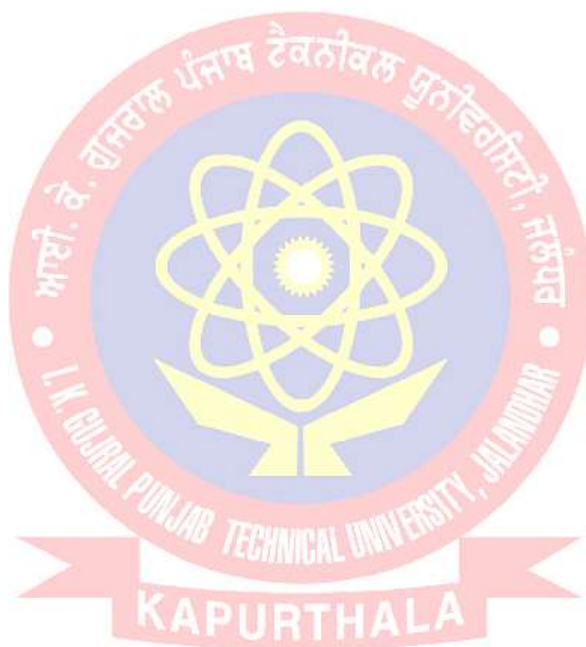

 Head
 Department of Hotel Management
 IKG PTL Main Campus
 Sonbhadra-144603

Supporting Documents

Department of Journalism & Mass Communication

1.4.2

Action Taken Report on Feedback



Department of Journalism and Mass Communication

IK.Gujral Punjab Technical University, Main Campus

Ref. No. IKGPTU/JMC/4008/2021

Date:- 08/09/2021

Action Taken Report on Design and Review of Syllabus

The Department of Journalism and Mass Communication obtained feedback on design and review of syllabus from various stakeholders, namely obtained feedback on design and review of syllabus from various stakeholders, namely students: parents, teachers and alumni to improve the process of teaching learning. The feedback was obtained on structured questionnaire. The data was also analyzed and a feedback report was prepared to gain insights into the areas where changes/improvements are needed. On the basis of feedback obtained, following actions were taken to incorporate the improvements suggested by various stakeholders.

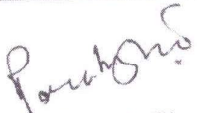
S.No	Recommendation	Actions Taken
1.	Enhancement learning	JMC follows a unique practical form of teaching pedagogy where students are encouraged by more of practical work. To ensure this following measures have been taken: <ol style="list-style-type: none">1. The curriculum of JMC mandatory includes project work, field assignments, research activities, group discussions and debates.2. It is mandatory in the final exam also to include practical files and dissertation. All these activities make classroom interesting and engaging for the students.3. The faculty members have shared digital resources, reading materials via google-classroom and email with the students.
2	Enhancement of employability of students	Following events were organized for the students to enhance their employability skills: <ol style="list-style-type: none">1. IKGPTU Alumni Lecture Series.2. Workshops on Communication skills.3. Face to face interactions with the field experts4. Interview Preparation and Personality development5. Participation visits to the media fest competitions.

Pavleen
Pavleen
Head
Department of Journalism & Mass Communication
IKG Punjab Technical University
141003 (Pb.)

8

3	Development Industrial relevant skills	<p>Following events were organized for the students to enhance Industry relevant skills:</p> <ol style="list-style-type: none"> 1. Industrial visits –Printing Press, Various Radio stations, Newspaper offices. 2. Shoot programs organized in the campus for the skill enhancement 3. Mandatory Internship.
4	Development entrepreneurial skills	<p>The department from time to time organize workshops and lectures to enhance entrepreneurial abilities of students:</p> <ol style="list-style-type: none"> 1. One day workshop on World Photography Day by Karamveer Sandhu, renowned photojournalist. (19 August 2019) 2. One day lecture cum Workshop on World Radio Day on “Radio :Theatre of Mind” by Mr. Nitin Gupta, Associate Vice President Programming, Radio Mirchi (14.02.2020) 3. Workshop on Perspectives of Electronic Media Noted T.V Producer AajTak News channel, Munish Devgan was the resource person (07.08.2019)
5	Holistic development of students	<p>The department has organized following event to ensure holistic development of students.</p> <ol style="list-style-type: none"> 1. Teachers Day celebration. (05.09.2019) 2. Republic day Celebration 3. Online Diwali celebration 4. One day workshop on personality development and soft skills by Ms. Ramanpreet Kaur, CEO Shamsheer Production as the Key resource Person. (07.02.2019) 5. Students participated in Media Fest Fittor 2k20 organized by DAV, Jalandhar (12.02.2020)
6	Co-curricular and extra – curricular activities	<ol style="list-style-type: none"> 1. One day lecture on Public Relations by Mr.Manvinder Singh, DPRO Jalandhar 25.02.2020 2. One day lecture cum Workshop on World Radio Day on “Radio :Theatre of Mind” by Associate Vice President Programming, Radio Mirchi (14.02.2020) 3. One day Interactive talk on RADIO Programme by Mr.Rishi Nagar Canadian Radio Broadcaster at RED FM 106.7 4. Online Students participated in PLASMA2021 (Inter-College tech fest) organized by LKC, Jalandhar 5. Online Inter-Class Online Quiz Competition held in the department 6. Online Power -Point Presentation on Current issues 7. Online Inter-Class caption writing Competition held in the department

7	Improvement of library Facilities	<p>University library is offering following facilities to facilitate learning and improve access to the resources.</p> <p>1) Journals of following databases have been subscribed in the library:</p> <ul style="list-style-type: none"> • Science Direct (Elsevier) • Springer Nature • Taylor & Francis • JSTOR • Books :200 Journalism • Mobile Application of knowledge Resource Centre • Kindle lending services to students and faculty
8	Training and Placement support	<ul style="list-style-type: none"> • The University has a separate Corporate Relations and Alumni (CR & A) department looking after Placement and entrepreneurial activities with faculty representatives from Various departments. • In addition to this at departmental level also students are taught skills like press note, letter to editor, resume writing, presentation • Skills, group discussion, interview skills etc through conduct of mock interview sessions. Personality development programmes, Seminars presentations etc to prepare them to face ' Interviews effectively and make them industry ready.
9	Faculty Competence	<p>In order to enhance level of competence faculty members regularly attend workshops/ FDPs and Conferences.</p> <ul style="list-style-type: none"> • Faculty members of JMC have attended various workshops, FDPs, Refresher courses during 2020
10	Improvement in Lab facilities in Department	<ul style="list-style-type: none"> • Communication lab of 31 Desktops ; Server; Hi Speed Wi-Fi has been established in the Department. • Video Lab equipped with 2 Still camera, 1 Video camera, 1 Handy Camera, 1 tripod stand and 10 Desktops installed with editing softwares. • Audio lab equipped with 1 console, 1 Dicta phone, • 1 Large conference table, 1 Smart LE, 3 Projectors • Subscriptions of Journals, Newspapers and Magazines


Dr. Ranbir Singh
 (Associate Prof. & Head)

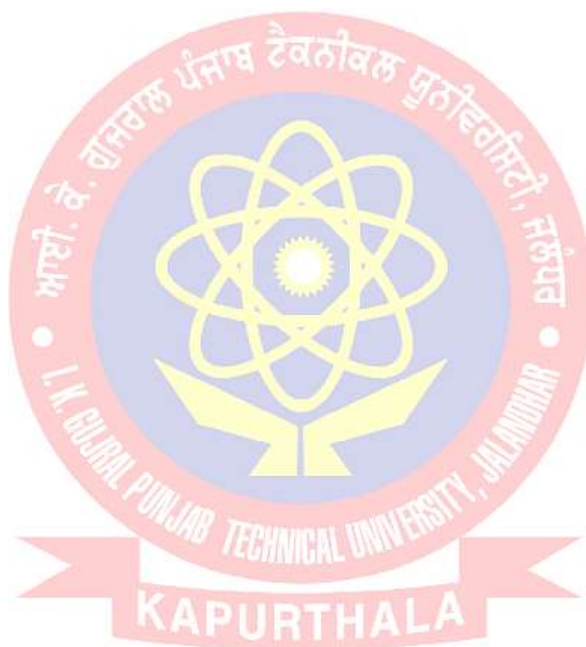

Head
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Supporting Documents

Department of Physical Sciences

Action Taken Report on Feedback



I K Gujral Punjab Technical University, Kapurthala

Department of Physical Sciences

Ref. No.: IKGPTU/PS/169

Date: 10.09.21

Action Taken Report on Design and Review of Syllabus

The Department of Physical Sciences (DOPS) obtained feedback on design and review of syllabus from various stakeholders, namely students, parents, teachers, and alumni to improve the process of teaching learning. The feedback was obtained on a structured questionnaire. The data was also analyzed, and a feedback report was prepared to insights into the areas where changes/ improvements are needed. Based on feedback obtained, following actions were taken to incorporate the improvements suggested by various stakeholders.

S. No.	Feedback received	Action taken
1	Revision required in the syllabus of physics courses viz. semiconductor physics course and Optoelectronics and semiconductor physics courses in the CSE and ECE branch	Feedback was incorporated in the syllabi of Semiconductor Physics and Optoelectronics physics courses. Content related to instrumentation was revised keeping in view of difficulties in finding appropriate books for some topics. Syllabi of these courses are updated. MoM of BOS meeting held in this regard are available on the website.
2	List of Practical in Engineering Physics lab courses may be updated and only the practical which are related to syllabus may be retained.	Syllabus of Engineering Physics Labs has been updated and list of practical's have been updated. Syllabi of real lab and virtual lab are merged so that student have a freedom to perform experiment in any possible way. MoM of BOS meeting held in this regard are available on the website.
3	As per feedback from students, the syllabus needs to further improve the industry-oriented skills and entrepreneurial abilities.	Value based course are being planned for all students to enhance their industry-oriented skills and entrepreneurial abilities.
4	Enhancement of learning	DOPS follows a unique experiential form of teaching pedagogy where students are encouraged learning by doing. To ensure these following measures have been taken: 1. In the theory courses students are given assignments/tests/quiz/seminars and the curriculum is designed to be more problem solving based to enhance the learning abilities of students.

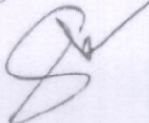
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Head
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Kapurthala

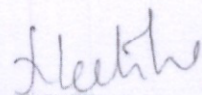
		<ol style="list-style-type: none"> In experimental lab students are encouraged to perform the experiments at their own. All these activities make classroom interesting and engaging for students. The faculty members are encouraged to create virtual classes for all subjects at Google Classroom. Google Classroom has also been used to share digital resources, reading materials, video lectures with the students. Students of MSc Physics are given a exposure to the frontier areas of research and allotted a research project in the last semester of their degree.
5	Holistic development of students	<p>DOPS has organized the following lectures for the benefit of students:</p> <ol style="list-style-type: none"> <ol style="list-style-type: none"> Usage of Material studio software for study of electrical, thermal, magnetic and optical properties of different materials Study of Chemical reactions: Reaction Dynamics, Transition states of Reactions and NMR spectra of molecules. <p>Speaker: Dr. Ritwik Kavathekar, Application Scientist, Solution Consultant BIOVIA, 3DS, India. Date: May 7, 2021</p> <ol style="list-style-type: none"> Usage of Material studio software for study of: Finite systems (nanostructures etc.) and Transport properties of different materials <p>Speaker: Dr. Ritwik Kavathekar, Application Scientist, Solution Consultant BIOVIA, 3DS, India. Date: May 25, 2021</p> <ol style="list-style-type: none"> Webinar on Quantum Dot by Prof. Ranber Singh, Department of Physics, SGGSC, Chandigarh on 24th August, 2021 Webinar on Recent advances in Material Sciences by Dr. Vinod Ashokan, Department of Physics, NIT, Jalandhar on 31st August, 2021. Webinar on Materials Modelling from First Principles: Theory and Practice by Dr. Rajinder Adhikari, Kathmandu University and Dr. Arun, HPU Shimla, from 8th Feb -12th Feb. 2021 Faculty Development Programme entitled "Recent Advances in Nano Structured Materials" organised

Slabs

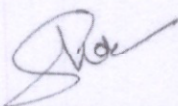
		in collaboration with National Institute of Technical Teachers and Training (NITTTR) Chandigarh, from 13-17 Jan. 2020.
6	Improvement of library facilities	<p>University library is offering following facilities to facilitate learning and improve access to the source</p> <ul style="list-style-type: none"> • Journals of physics and related subjects are subscribed by the library • Books: 305 (Total of 747 title available in the library) • Mobile application of Knowledge resource center • Kindle lending service to students
7	Faculty competence	<p>In order to enhance level of competence faculty members of DOPS regularly attend workshops / FDPs/Conferences etc. Various faculty members of DOM have participated in more than 7 workshops / FDPs / Refresher courses during 2020.</p> <p>Apart from this faculty members also present their research work in conferences and deliver guest lecture. The list of faculty members giving guest lectures is as following:</p> <ol style="list-style-type: none"> 1. Invited lecture on "Electronic structures in Solids" in UGC HRDC's 7 Days FDP Research in Sciences – Novel Tools and Methodologies from 03.08.2021 to 09.08.2021 organized jointly by Sri Guru Gobind Singh College, Sector 26, Chandigarh, and HRDC, Panjab University, Chandigarh. 2. Invited lecture on Basics of Research paper writing in workshop on research methodologies at Sri Guru Gobind Singh College, Sector 26, Chandigarh on 8th June 2021. 3. Invited lecture on Mapping program objectives with course objectives and outcome: Challenges and solutions organized by IQAC cell KMV, Jalandhar on 11th June 2021.
8	Improvement in the computational lab facilities	<ol style="list-style-type: none"> 1. A Computer laboratory of 65 Desktops, 1 Server, and Hi Speed LAN has been established in the Department. 2. Software used for modelling and simulation environment in materials "Material studio" is recently added to the computation physics lab for the benefit of students.

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9	Improvement in the physical lab facilities	DOPS have a lab facility in Advanced Electronics Lab, Atomic and Molecular and Nuclear Physics Lab, Advanced condensed matter lab for the MSc physics course. DOPS is in the constant process of updating the labs for the Undergraduate courses and new experiments are added the lab in the last year.
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Dr Neetika
BOS-coordinator



Dr Hitesh Sharma
Chairperson -BOS Physical sciences



Head
Department of Physical Sciences
I.K. Gujral Punjab Technical University
Main Campus

Supporting Documents

Department of Chemical Sciences

Action Taken Report on Feedback



DEPARTMENT OF CHEMICAL SCIENCES
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY MAIN CAMPUS

REF. No.

DATED:

Report and Action Taken on Structured Feedback for Design and Review of Syllabus

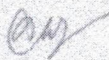
1. Report on Structured Feedback for Design and Review of Syllabus

The structured feedback regarding design and review of the syllabus was obtained from students, alumni and teachers. In order to obtain the feedback, a structured questionnaire was designed to elicit the responses regarding relevant issues concerning design, review and delivery of syllabus. The analysis of the feedback obtained is presented in three sections. Section I includes analysis of feedback obtained from students. Section II covers the analysis of feedback obtained from alumni. Section III covers analysis of feedback obtained from teachers.

Section I: Students Feedback on Design and Review of Syllabus

Feedback on design and review of syllabus was collected from 18 students of MSc, BSc (Hons) and PhD Programs of the department. Analysis of the feedback is presented in Table I.

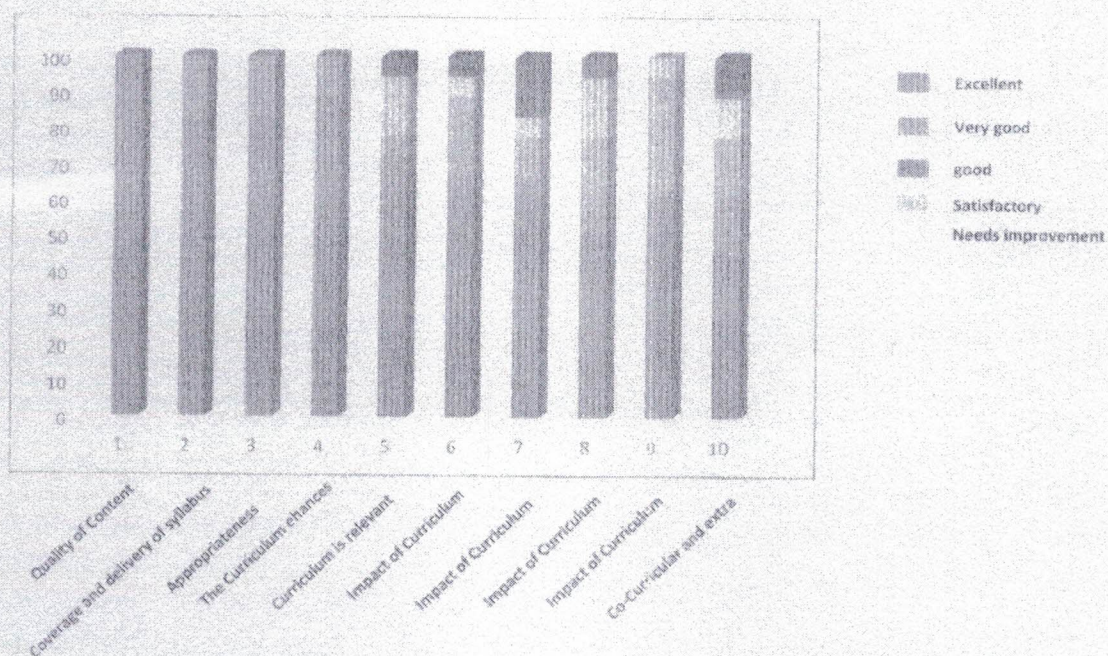
Sr No.		Excellent	Very Good	Good	Satisfactory	Needs Improvement
1	Quality of Content	08 (44.5)	10 (55.5)	-	-	-
2	Coverage and delivery of syllabus	06 (33.3)	09 (50.0)	03 (16.6)	-	-
3	Appropriateness of programme outcomes and learning outcomes	05 (27.8)	10 (55.5)	03 (16.6)	-	-
4	The curriculum enhances learning	07 (38.9)	09 (50.0)	02 (11.1)	-	-
5	Curriculum is relevant for employability	04 (22.2)	09 (50.0)	01 (5.55)	03 (16.6)	01 (5.55)



(Dr. Gaurav Khargaria)
 Chairman, RSC

Head
 Department of Chemical Sciences
 IKG Punjab Technical University
 Kapurthala - 144603 Punjab (INDIA)

6	Impact of curriculum on developing analytical skills	05 (27.8)	07 (38.9)	04 (22.2)	01 (5.55)	01 (5.55)
7	Impact of curriculum on developing industrial oriented skills	02 (11.1)	10 (55.5)	02 (11.1)	01 (5.55)	03 (16.6)
8	Impact of curriculum on developing entrepreneurial skills	03 (16.6)	06 (33.3)	05 (27.8)	03 (16.6)	01 (5.55)
9	Impact of curriculum on holistic development of students	05 (27.8)	06 (33.3)	06 (33.3)	01 (5.55)	-
10	Co-Curricular and extra curricular activities	05 (27.8)	03 (16.6)	06 (33.3)	02 (11.1)	02 (11.1)
Note: Percentange is given in paranthesis						



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IKG Punjab Technical University
Kapurthala - 144603 Punjab (INDIA)

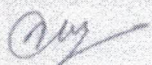
Overall Analysis of Students Feedback

- The response of the students with regard to design and review of syllabus has been found to be generally excellent, mostly very good and good for most of the points being asked in the feedback.
- The response of the students shows that the curriculum needs improvement mostly with regard to following points
 - Curriculum is relevant for employability (5.55%)
 - Impact of curriculum on developing analytical skills (5.55%)
 - Impact of curriculum on developing industrial oriented skills (16.6%)
 - Impact of curriculum on developing entrepreneurial skills (5.55%)
 - Co-Curricular and extra curricular activities (11.1%)

Section-II Alumni's Feedback on Design and Review of Syllabus

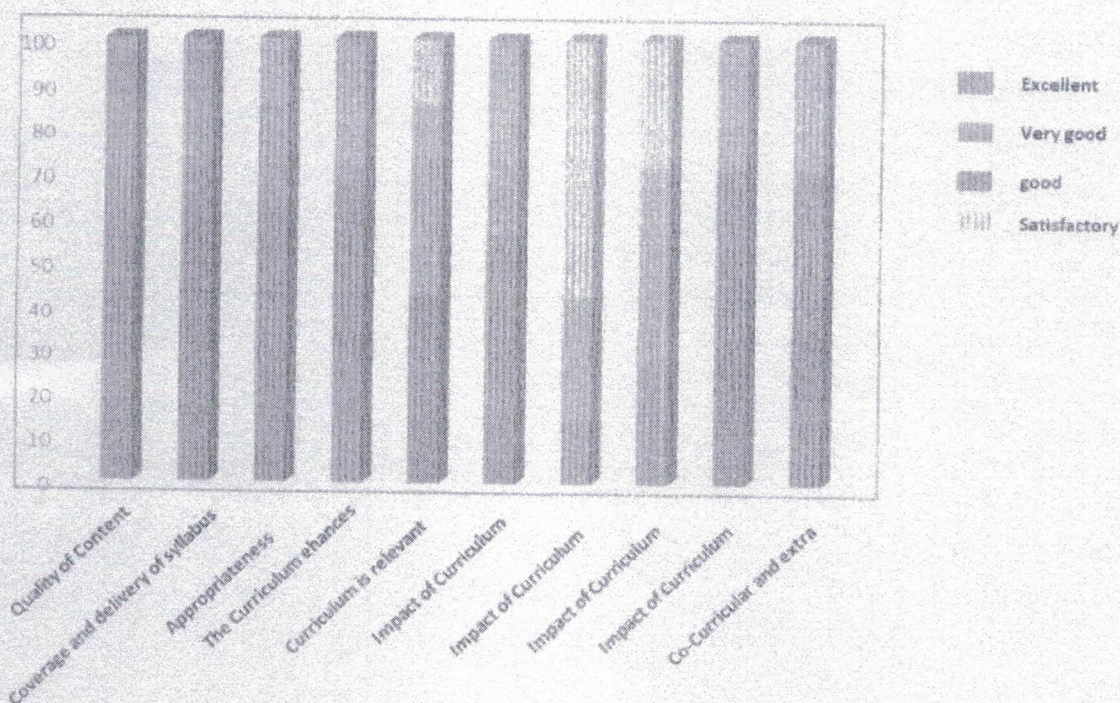
Feedback on design and review of syllabus was collected from 07 pass out students of MSc and PhD Programs of the department. Analysis of the feedback is presented in Table 2.

Sr No.		Excell ent	Very Good	Good	Satisfactory	Needs Improvement
1	Quality of Content	02 (28.6)	05 (71.4)	-	-	-
2	Coverage and delivery of syllabus	05 (71.4)	02 (28.6)	-	-	-
3	Appropriateness of programme outcomes and learning outcomes	02 (28.6)	04 (57.1)	01 (14.3)	-	-
4	The curriculum enhances learning	-	05 (71.4)	02 (28.6)	-	-
5	Curriculum is relevant for employability	01 (14.3)	02 (28.6)	03 (42.8)	01 (14.3)	-
6	Impact of curriculum on developing analytical skills	01 (14.3)	03 (42.8)	03 (42.8)	-	-
7	Impact of curriculum on developing industrial oriented skills	-	01 (14.3)	02 (28.6)	04 (57.1)	-



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8	Impact of curriculum on developing entrepreneurial skills	01 (14.3)	01 (14.3)	03 (42.8)	02 (28.6)	-
9	Impact of curriculum on holistic development of students	03 (42.8)	02 (28.6)	02 (28.6)	-	-
10	Co-Curricular and extra curricular activities	03 (42.8)	02 (28.6)	02 (28.6)	-	-
Note: Percentange is given in paranthesis						



Overall Analysis of Alumni's Feedback

The response of the alumini with regard to design and review of syllabus has been found to be excellent and very good in most of the cases, few points like impact of curriculum in developing analytical skills, impact of developing industrial oriented skills, and impact of curriculum in developing entrepreneurial skills have been graded to be satisfactory by few alumni.

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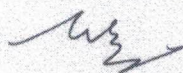
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Section -III Faculty's Feedback on Design and Review of Syllabus

Feedback from faculty members of the Department has been obtained regarding design and review of syllabus of the three programs offered by the department, namely BSc (Hons) and MSc. Feedback was collected from 5 regular faculty members. Coursewise analysis of the feedback is presented in Tables 3.1 and 3.2 respectively.

Table 3.1: Faculty's Feedback on Design and Review of BSc (Hons) Syllabus						
Sr No.		Excellent	Very Good	Good	Satisfactory	Needs Improvement
1	Quality of Content	04 (80.0)	01 (20.0)	-	-	-
2	Coverage and delivery of syllabus	02 (40.0)	03 (60.0)	-	-	-
3	Appropriateness of programme outcomes and learning outcomes	01 (20.0)	03 (60.0)	01 (20.0)	-	-
4	The curriculum enhances learning	01 (20.0)	04 (80.0)	-	-	-
5	Curriculum is relevant for employability	01 (20.0)	03 (60.0)	01 (20.0)	-	-
6	Impact of curriculum on developing analytical skills	01 (20.0)	01 (20.0)	03 (60.0)	-	-
7	Impact of curriculum on developing industrial oriented skills	-	01 (20.0)	04 (80.0)	-	-
8	Impact of curriculum on developing entrepreneurial skills	-	01 (20.0)	04 (80.0)	-	-
9	Impact of curriculum on holistic development of students	01 (20.0)	04 (80.0)	-	-	-
10	Co-Curricular and extra curricular activities	-	03 (60.0)	02 (40.0)	-	-
Note: Percentage is given in parenthesis						




Head
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Supporting Documents

1.4.2

Department of Mathematical Sciences

Action Taken Report on Feedback



DEPARTMENT OF MATHEMATICAL SCIENCES
I. K. GUJRAL PUNJAB TECHNICAL UNIVERSITY MAIN CAMPUS

REF. NO. IKGPTU/DMS/1366

DATED: 23/10/2021

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Report and Action Taken on Structured Feedback for Design and Review of Syllabus

1. Report on Structured Feedback for Design and Review of Syllabus

The structured feedback regarding design and review of the syllabus was obtained from students, alumni and teachers. In order to obtain the feedback, a structured questionnaire was designed to elicit the responses regarding relevant issues concerning design, review and delivery of syllabus. The analysis of the feedback obtained is presented in three sections. Section I includes analysis of feedback obtained from the students, Section II contains the analysis of feedback obtained from the alumni and Section III contains the analysis of feedback obtained from the teachers.

Section I: Students Feedback on Design and Review of Syllabus

Feedback on design and review of syllabus was collected from 15 students of B.Sc (Hons) of the department. Analysis of the feedback is presented in Table 1.

Table 1: Students Feedback on Design and Review of Syllabus						
Sr No.		Excellent	Very Good	Good	Satisfactory	Needs Improvement
1	Quality of Content	09 (60)	06(40)	-	-	-
2	Coverage and delivery of syllabus	01 (7)	10 (67)	02 (13)	02 (13)	-
3	Appropriateness of programme outcomes and learning outcomes	-	04 (27)	11(73)	-	-
4	The curriculum enhances learning	01(7)	11(73)	03(20)	-	-
5	Curriculum is relevant for employability	01(7)	-	09 (60)	05 (33)	-
6	Impact of curriculum on developing analytical skills	-	09 (60)	06(40)	-	-
7	Impact of curriculum on developing industrial oriented skills	06(40)	01(6.7)	4 (26.6)	01(6.7)	03 (20)

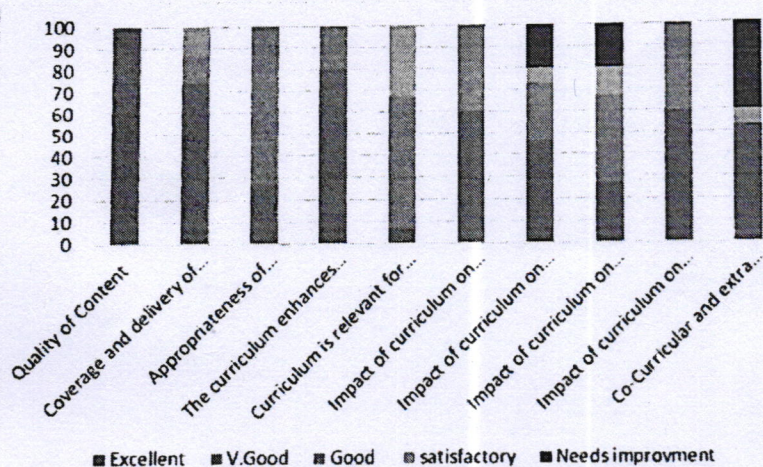
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HOD cum BOS chairman.

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8	Impact of curriculum on developing entrepreneurial skills	01(7)	03(20)	06(40)	02(13)	03(20)
9	Impact of curriculum on holistic development of students	01(7)	08(53)	06(40)	-	-
10	Co-Curricular and extra curricular activities	-	08 (53)	-	01(7)	06(40)
Note: Percetange is given in paranthesis						

Table 1 (Student Feedback)



Overall Analysis of Students Feedback

- The response of the students with regard to design and review of syllabus has been found to be generally excellent, mostly very good and good for most of the points being asked in the feedback.
- The response of the students shows that the curriculum needs improvement mostly with regard to following points
 - Impact of curriculum on developing industrial oriented skills (20%)
 - Impact of curriculum on developing entrepreneurial skills (20%)
 - Co-Curricular and extra curricular activities (40%)

Section-II Alumni's Feedback on Design and Review of Syllabus

Feedback on design and review of syllabus was collected from 10 pass out students of MSc Program of the department. Analysis of the feedback is presented in Table 2.

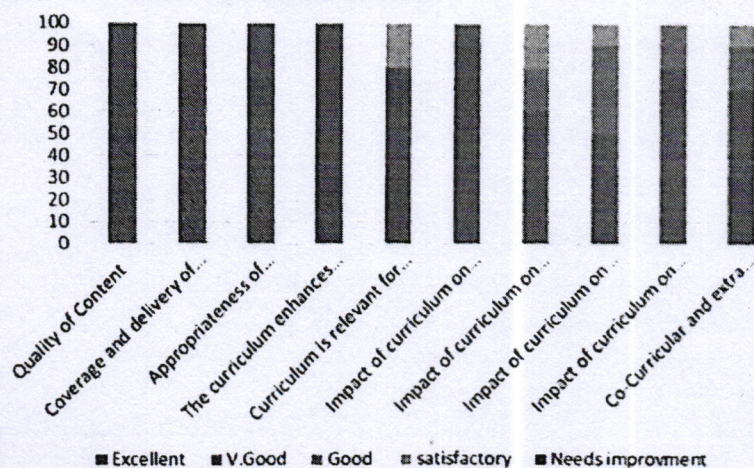
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Table 2: Alumni's Feedback on Design and Review of Syllabus

Sr No.		Excellent	Very Good	Good	Satisfactory	Needs Improvement
1	Quality of Content	5(50)	5(50)	-	-	-
2	Coverage and delivery of syllabus	5(50)	5(50)	-	-	-
3	Appropriateness of programme outcomes and learning outcomes	4(40)	6(60)	-	-	-
4	The curriculum enhances learning	5(50)	5(50)	-	-	-
5	Curriculum is relevant for employability	3(30)	5(50)	-	2(20)	-
6	Impact of curriculum on developing analytical skills	9(90)	1(10)	-	-	-
7	Impact of curriculum on developing industrial and oriented skills	3(30)	3(30)	2(20)	2(20)	-
8	Impact of curriculum on developing entrepreneurial skills	3(30)	2(20)	4(40)	1(10)	-
9	Impact of curriculum on holistic development of students	3(30)	5(50)	2(20)	-	-
10	Co-Curricular and extra curricular activities	3(30)	4(40)	2(20)	1(10)	-

Note: Percentange is given in paranthesis



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Head *[Signature]*
Department of Mathematical Sciences
J.K. Gujral Punjab T. ... University
Kapurthala-144603 (India)

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Overall Analysis of Alumni's Feedback

The response of the alumni with regard to design and review of syllabus has been found to be excellent and very good in most of the cases. few points like curriculum is relevant to employability, impact of developing industrial oriented skills, and impact of curriculum in developing entrepreneurial skills and Co-curricular and extra curricular activities have been graded to be satisfactory by few alumni.

Section -III Faculty's Feedback on Design and Review of Syllabus

Feedback from faculty members of the Department has been obtained regarding design and review of syllabus of the three programs offered by the department, namely MSc and BSc(Hons) . Feedback was collected from 4 regular faculty members. Programwise analysis of the feedback is presented in Tables 3.1 and 3.2 respectively.

Table 3.1: Faculty's Feedback on Design and Review of M.Sc (Hons) Syllabus

Sr No.		Excellent	Very Good	Good	Satisfactory	Needs Improvement
1	Quality of Content	02 (50)	02(50)	-	-	-
2	Coverage and delivery of syllabus	02 (50)	02(50)	-	-	-
3	Appropriateness of programme outcomes and learning outcomes	02 (50)	02(50)	-	-	-
4	The curriculum enhances learning	02 50)	02(50)	-	-	-
5	Curriculum is relevant for employability	02 50)	02(50)	-	-	-
6	Impact of curriculum on developing analytical skills	02 50)	02(50)	-	-	-
7	Impact of curriculum on developing industrial oriented skills	02 (50)	02(50)	-	-	-
8	Impact of curriculum on developing entrepreneurial skills	02 50)	02(50)	-	-	-
9	Impact of curriculum on holistic development of students	02 50)	02(50)	-	-	-
10	Co-Curricular and extra curricular activities	02(50)	02(50)		-	-

Note: Percetange is given in paranthesis

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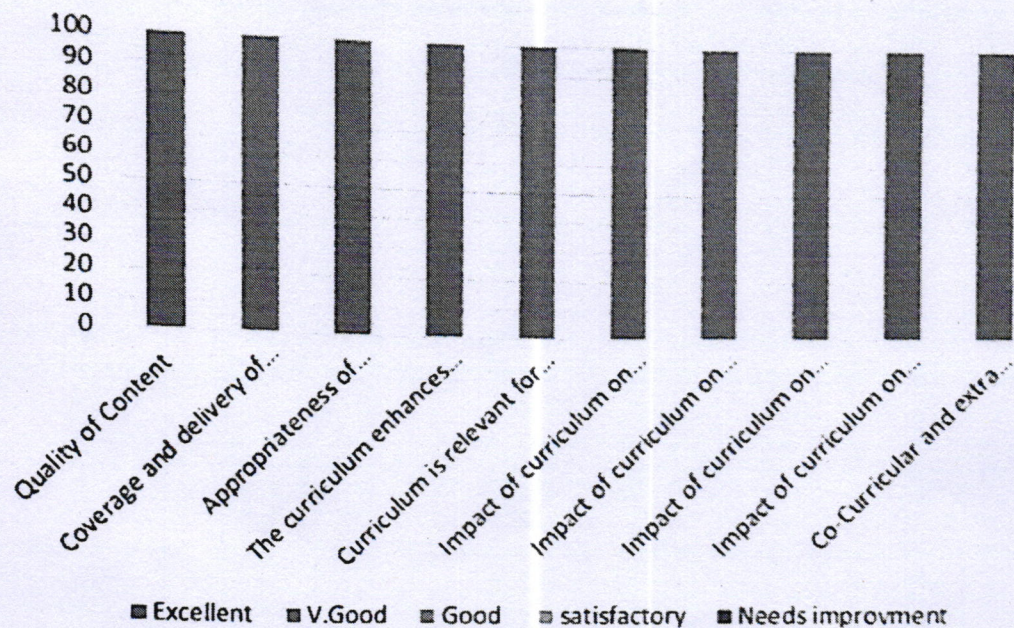


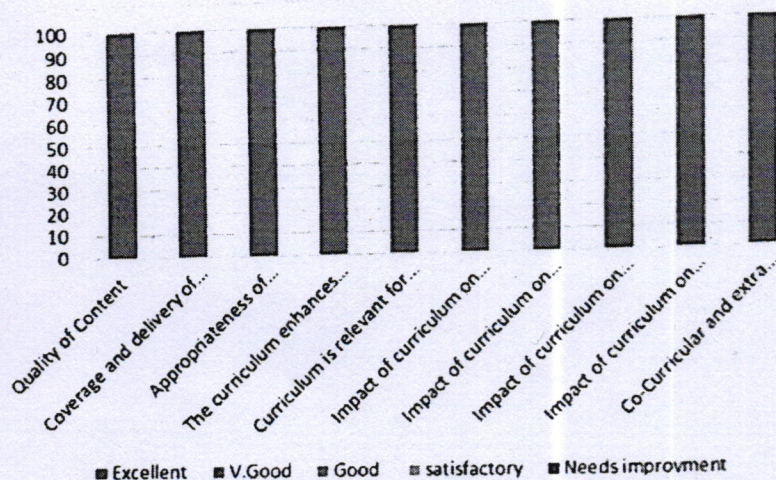
Table 3.2: Faculty's Feedback on Design and Review of B.Sc (Hons) Syllabus

Sr No.		Excellent	Very Good	Good	Satisfactory	Needs Improvement
1	Quality of Content	02 (50)	02(50)	-	-	-
2	Coverage and delivery of syllabus	02 (50)	02(50)	-	-	-
3	Appropriateness of programme outcomes and learning outcomes	02 (50)	02(50)	-	-	-
4	The curriculum enhances learning	02 50)	02(50)	-	-	-
5	Curriculum is relevant for employability	02 50)	02(50)	-	-	-
6	Impact of curriculum on developing analytical skills	02 50)	02(50)	-	-	-
7	Impact of curriculum on developing industrial oriented skills	02 (50)	02(50)	-	-	-
8	Impact of curriculum on developing entrepreneurial skills	02 50)	02(50)	-	-	-
9	Impact of curriculum on holistic development of students	02 50)	02(50)	--	-	-
10	Co-Curricular and extra curricular activities	02(50)	02(50)		-	-

Note: Percetange is given in paranthesis

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 L.K. Gujral Punjab Technical University
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Overall Analysis of Teacher's Feedback for BSc (Hons) and MSc Curriculum

The Faculty members have found design of syllabus to be excellent and very good with regard to most of the points asked in the review, but have analysed it to be good with respect to impact of curriculum in developing analytical skills, impact of developing industrial oriented skills, and impact of curriculum in developing entrepreneurial skills.

2. Action Taken Report on Structured Feedback for Design and Review of Syllabus

Keeping in view the analysis of feedback obtained from students, alumni and Faculty with regard to the design and review of Syllabus for BSc (Hons) and M Sc programs of the Mathematical sciences department, it has been noticed that the action needs to be taken for the following points

- Impact of curriculum on developing entrepreneurial skills.
- Impact of curriculum on developing industrial oriented skills
- Co-Curricular and extra curricular activities

In view of the above, the department has initiated few steps which are as follows:

- Organisation of workshops.
- Expert lecture by industry related persons/future employers.

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HOD Cum BOS (Chairman)

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