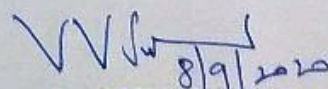**IGNOU**
SOCIS

Minutes of the Meeting conducted via email relating to Feedback Analysis Reports for NAAC Accreditation

In view of COVID-19, Hon'ble VC had permitted the Schools to seek the comments from the members of the School Board through circulation via email and as per the communication received from CIQA, IGNOU to get the approvals on Feedback Analysis Reports from all the Members of the School Board by circulation, SOCIS had sent an email (Annexure-A) on Sep 2, 2020 to all the below mentioned School Board Members of SOCIS to get the approval on Feedback Analysis Reports:

1. Prof. T.V. Vijay Kumar, JNU, New Delhi
2. Prof. Manoj Kumar, AIACTR, Delhi
3. Prof. (Retd.) S.K. Gupta, IIT Delhi
4. Prof. Ela Kumar, IGDTUW, New Delhi
5. Mr. Milind Mahajani, Vice President, Impressico Business Solutions, Noida
6. Prof. S.R. Jha, SOS, IGNOU
7. Prof. Nawal Kishor, SOMS, IGNOU
8. Prof. Parmod Kumar, SOH, IGNOU
9. Dr. Mita Sinhamahapatra, SOA, IGNOU
10. Prof. P.V. Suresh, SOCIS, IGNOU
11. Dr. Shashi Bhushan, SOCIS, IGNOU
12. Mr. Akshay Kumar, SOCIS, IGNOU
13. Dr. Sudhansh Sharma, SOCIS, IGNOU

In response to the above mentioned communication (email), the School Board Members of SOCIS approved the Feedback Analysis Reports of (i) Teachers and (ii) Subject Experts.

Further, the same will be reported in the next Meeting of School Board of SOCIS.

(Prof. V.V. Subrahmanyam)
Chairperson, School Board of SOCIS
डॉ. वी. वी. सुब्रह्मण्यम / Dr. V. V. Subrahmanyam
निदेशक / Director
कम्प्यूटर एवं सूचना विज्ञान विद्यापीठ / SOCIS
इ.गाँ.रा.मु.वि., मैदान गढ़ी, नई दिल्ली-110068
IGNOU, Maidan Garhi, New Delhi-110068

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INDIRA GANDHI NATIONAL OPEN UNIVERSITY

SCHOOL OF COMPUTER AND INFORMATION SCIENCES

FEEDBACK ANALYSIS REPORT OF SUBJECT EXPERTS ON THE TEACHING-LEARNING PROCESS

1.0: Preamble

Distance education system uses the skills of external experts for curriculum design and development. A good curriculum is the starting point for the better quality course. The distance education follows a top-down methodology, which is very useful for better quality. Thus, the feedback from the experts raises very important issues relating to the curriculum and its applicability in the industry. A good curriculum may result in skilled, industry employable of the students. This feedback of the experts, which include experts of programme structure design and curriculum design, have person from other important academic institute, industry and faculty of the School of computer and information sciences. This feedback study

The questions of the feedback study have been designed in such a way that the respondent may answer the questions by selecting to one option out of the five options provided.The data has been collected keeping in view of various aspects need to be considered during designing of new curriculum or adding/removing some components from the existing syllabus. The questions asked to the experts includes whether they were briefed about to the pedagogy of Curriculum Design Development in an Open University System, Need Analysis, Considerations of the syllabus of other universities, their involvement in the curriculum review process, discussion about alumni and industry feedback during curriculum design. Also, questions pertaining to curriculum and its level compared to the Programme for which it is designed, their orientation on development of self-learning materials are covered in feedback form. One question in the feedback form is kept to know whether Self Learning Materials are learner-centric.

2.0: About the School and Experts Involved

The School of Computer and Information Sciences (SOCIS) was established in 1991 to provide innovative and high quality computer science education at the doorsteps of learners with learner-centric approach exploiting. The objectives of the School are:

- To increase both accessibility and acceptability of IGNOU Computer Education Programmes in a coordinated way, ensuring high quality education at various academic level through well-designed curriculum tuned to the challenging needs of the software industry and academia;
- To disseminate knowledge through an innovation multiple media teaching/learning system;
- To follow a multiple-entry and multiple –exit model for moving through a set of modular courses for a student to achieve her/his goal;

- To keep a balance between fundamental concepts, core areas of computer science and specialized skills required while designing curriculum in response to the needs of the market;
- To conduct quality research in the emerging areas of Computer Science; and
- To provide specific need based computer education and training opportunities for continuous professional development and skill up-gradation to in-service professionals

At present school is offering Doctor of Philosophy (PhD), Master of Computer Applications (MCA), Post Graduate Diploma in Computer Applications (PGDCA), Bachelor of Computer Applications (BCA) and Certificate in Information Technology (CIT). From July, 2020 onwards CIT is also offered as an online programme.

The experts who are helping us in revision of various programmes by attending the Expert Committee Meeting were identified as Subject Experts.

3.0: Methodology

CIQA has developed a common feedback questionnaire, which is to be filled up by Experts. This questionnaire asks for the biographical information of the Experts. The questions asked to the experts includes whether they were briefed about to the pedagogy of Curriculum Design Development in an Open University System need analysis, considerations of the syllabus of other universities, their involvement in curriculum review process, discussion about alumni and industry feedback during curriculum design. Also questions pertaining to curriculum and its level compared to the Programme for which it is designed, their orientation on development of self learning materials are covered in feedback form. One question in the feedback form is kept to know whether Self Learning Materials are learner centric.

The data was collected from the experts, including faculty members by email. A total of 25 SMEs were sent the Experts feedback form and 19 responses were received. However, as the sample size of the data is very small, only explorative studies were performed on the data. Also, comments and suggestions about the improvements in the system were also asked from every expert. These comments have also been listed as part of the feedback. The study though is short study but provides relevant information.

4.0: Feedback of Subject Experts

Tables and Charts of Responses of the questions:

S.No-1

	Pedagogy Was Briefed
Strong Agree	16
Agree	3
Neutral	0
Disagree	0
Strongly Disagree	0
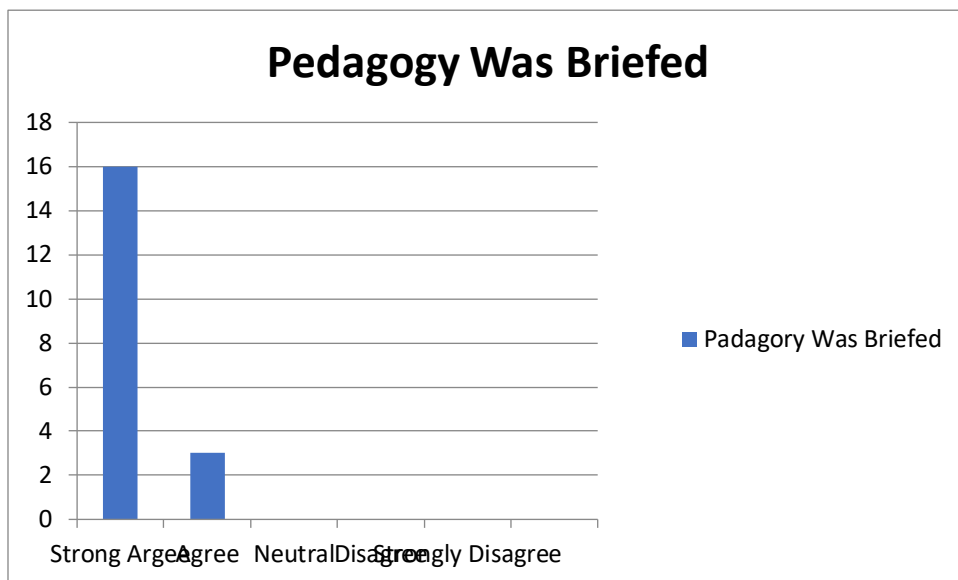
S.No-2

	Need Analysis was Discussed
Strong Agree	14
Agree	5
Neutral	0
Disagree	0
Strongly Disagree	0

Need Analysis was Discussed
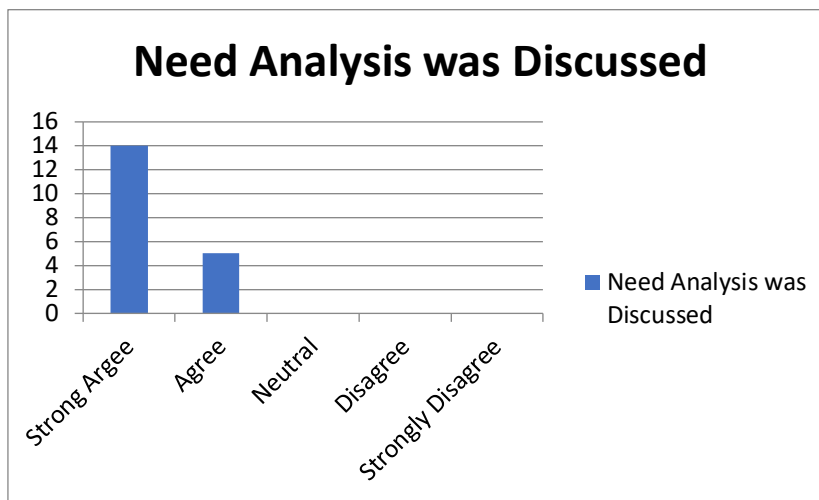
S.No-3

	Curriculum of Other University revealed
Strong Agree	11
Agree	7
Neutral	1
Disagree	0
Strongly Disagree	0

Curriculam of Other Univeristy Revealed
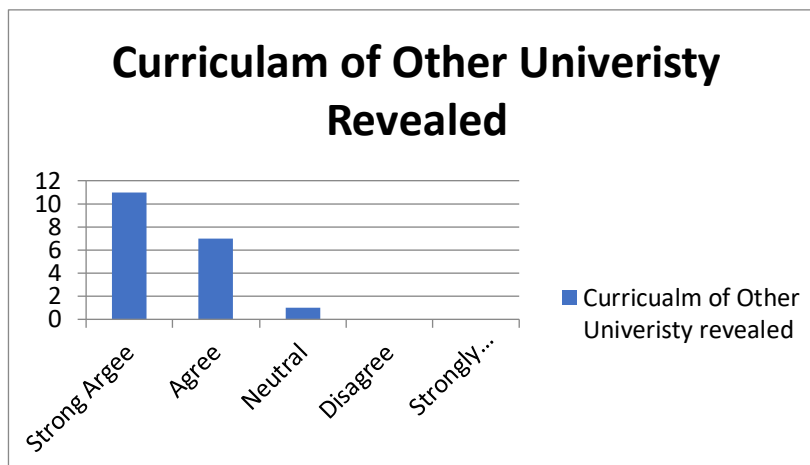
S.No-4

	Guidelines were provided for curriculum development
Strong Agree	14
Agree	5
Neutral	0
Disagree	0
Strongly Disagree	0

Guidelines were provided for curriculum development
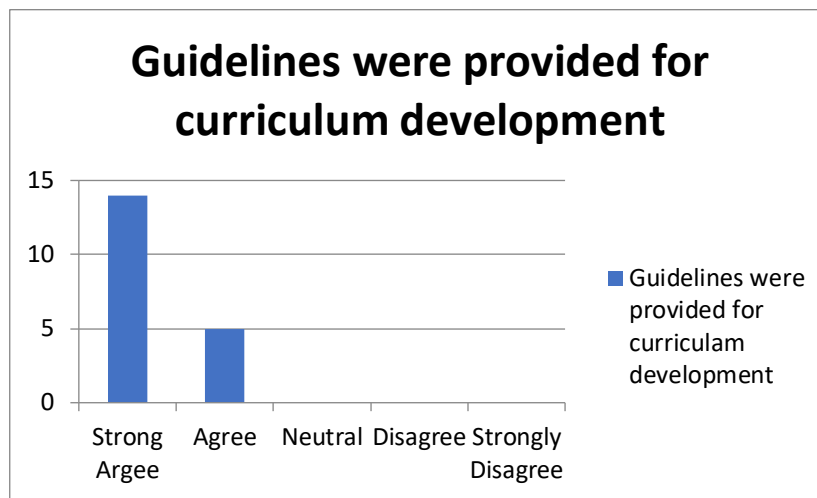
S.No-5

	Involved in review Process
Strong Agree	13
Agree	5
Neutral	1
Disagree	0
Strongly Disagree	0

Involved in review Process
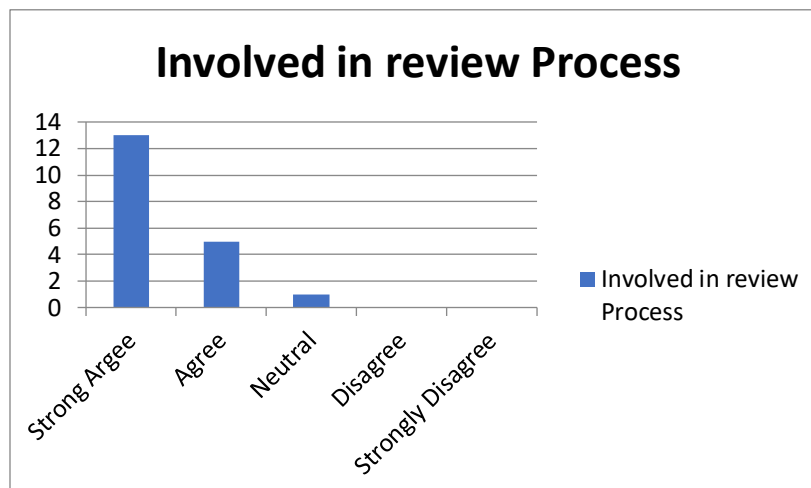
S.No-6

	Feedback from Alumni and Industry were discussed
Strong Agree	4
Agree	13
Neutral	1
Disagree	1
Strongly Disagree	0

Feedback from Alumni and Industry were discussed
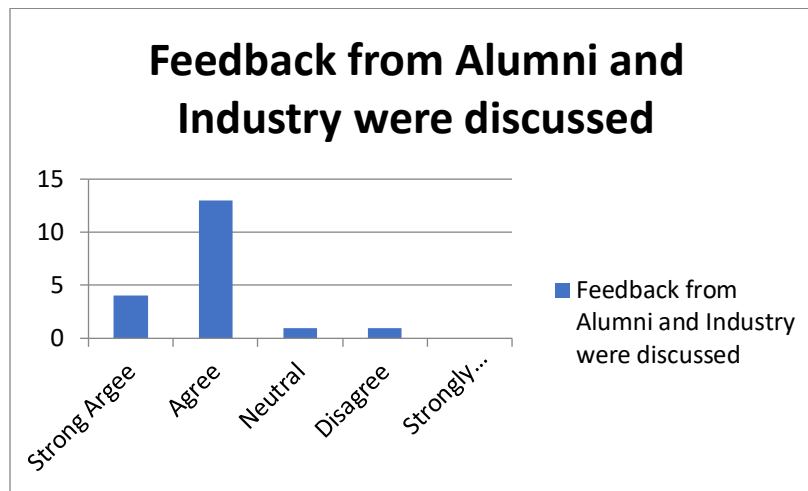
S.No-7

	Whether the curriculum of your subject updated
Strong Agree	14
Agree	3
Neutral	2
Disagree	0
Strongly Disagree	0

Whether the Curriculum of your subject updated
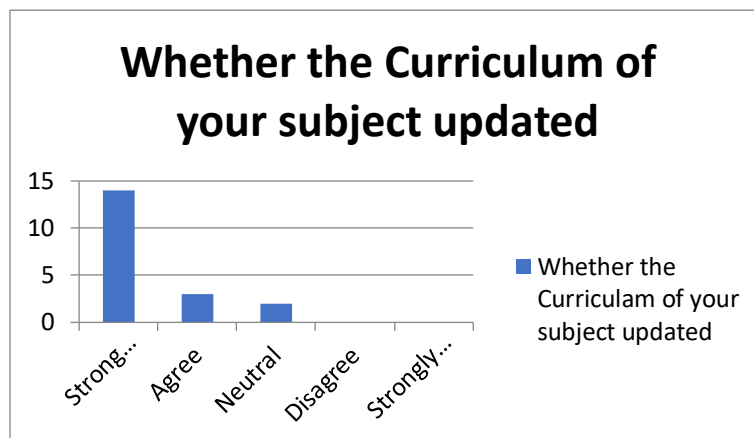
S.No-8

	Curriculum matches with the level of Programme
Strong Agree	15
Agree	3
Neutral	1
Disagree	0
Strongly Disagree	0
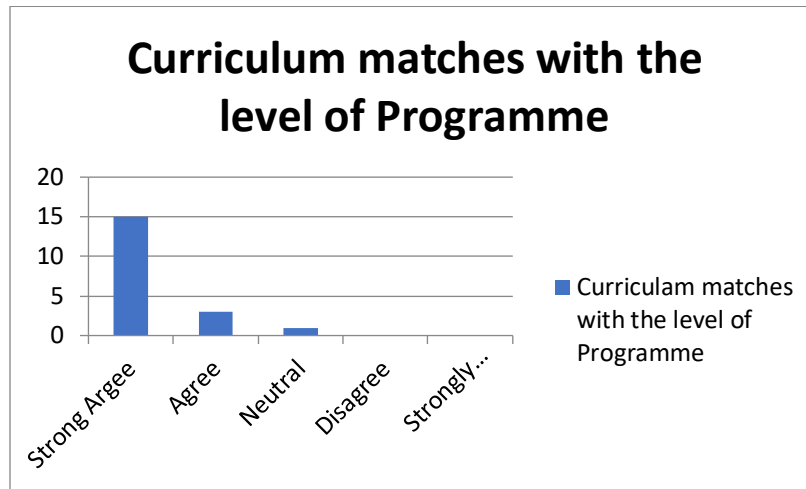
S.No-9

	Orientation was given for the development of self learning material
Strong Agree	12
Agree	7
Neutral	0
Disagree	0
Strongly Disagree	0
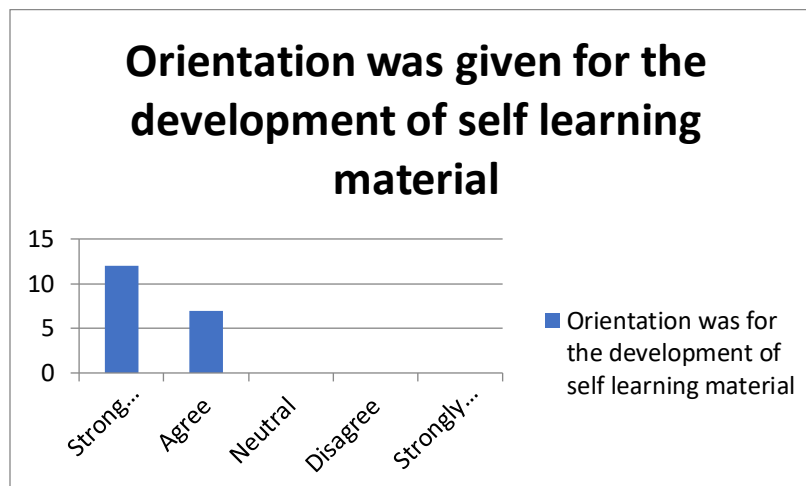
S.No-10

	Self Learning materials are learner centric
Strong Agree	14
Agree	5
Neutral	0
Disagree	0
Strongly Disagree	0
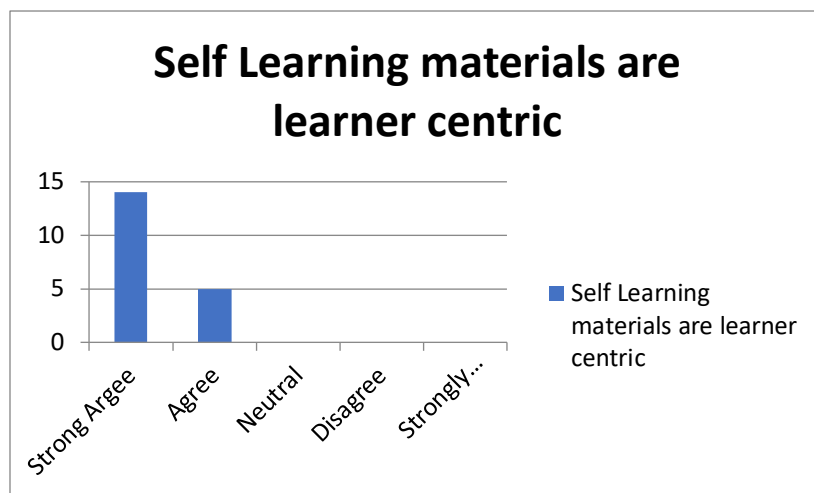
Experts Comments and Suggestions for System Improvement

- Industry collaborations
- Sponsored R&D and
- Entrepreneurship
- More numbers of senior faculty members
- Stress on thrust areas like network security
- Continuous revision of syllabus is needed
- Monitoring the implementation is essential.
- More student-centric approaches are better.
- Many of the self-learning material encourage rote learning instead of learning the skills of analysis and applications.
- There are some topics that are either way too difficult or not anymore included in similar curricula around the world.
- The BCA and MCA program should be more industry-oriented so, Industry expert should also be invited in the curriculum development and their input should be considered for the course material development. In my opinion, industry-related content should be developed by Industry expert.
- Student feedback
- Review of the performance of the students (which is more important in open university).
- Virtual laboratory based support for practicals
- IGNOU teachers' online interation sessions with students

- Creation of a database of assignment on regular basis.
- Number of full time teachers should be increased in ODL Institutions.
- Content writing material should be modified as per industry demand.
- ICT enabled education mustfocus on practical based self-learning material special programming, databases, networking. Job specific topic should also be cover in syllabus along with theories. Latest technology, tools, programming should also cover in syllabus.
- To include latest areas like AI, Data Mining, Computer Vision, Internet of Thilngs, Cloud Computing, Big Data etc. in the curriculum of MCA.
- May go for more modular-based certificates with various combinations of courses of MCA/BCA.
- University should formulate the standard guidlines for Associate studentship to encourage students of other colleges/universities to opt for individual courses and gain additional credits.
- Revision of content should be more frequent. As on date, revision is not keeping sync with real life developments in the areas of ICT.
- IGNOU should stop printing SLMs keeping in view of environmental issues.
- List the areas that need attention to bring desired improvement in the system.
- Course revision should take place at regular interval pratically with the technical courses.
- Mainly, senior academics should be involved in higher learning programs such as PhD for advice and improvement in an official capacity.
- Need to incorporate more online learning support to the learners.

5.0: Analysis of the Feedback received

The answer to most of the questions asked to the experts. Majority of the experts have strongly agreed to the questions, which were asked regarding various processes of IGNOU viz. whether they were briefed about to the pedagogy of Curriculum Design Development in an Open University; System need analysis, considerations of the syllabus of other universities; their involvement in curriculum review process. Curriculum and its level compared to the Programme for which it is designed; their orientation on development of self learning materials; whether Self Learning Materials are learner-centric etc. Thus, most of these processes are duly followed at the School and that is getting reflected in the feedback given by the experts. The tables and the Figures in the previous section substantiate the data. One area where the majority of the experts only agreed to the question is about the discussion about alumni and industry feedback during curriculum design. The representation of industry is normally through school board membership and expert committee invitations. However, the feedback from the Alumni may be strengthened further.

The suggestions received range from Industry participation, online sessions, the introduction of newer courses in MCA, use of ICT in content delivery, increasing the strength of faculty, sponsored R&D projects, frequent course revisions etc. These are well-taken suggestions and School is already working towards most of these points. It may be noted that MCA Programme is being revised.

6.0: Conclusion and recommendations

The study indicates that the School is following all the basic processes of providing information to an expert to development of syllabus. It is playing an active role in the pedagogy developments also. It is also proactive in starting the revision process of MCA. School is already in the process of collecting feedback from various stakeholders. It may be noted that school faculty have used the GyanDarshan and

GyanVani facilities of the University. The School faculty is well conversant with these technologies and ready for any kind of online challenges of the future. In fact, the School feels that ICT technologies should now be used to facilitate the students in various subject areas. The revised MCA programme contains many newer technologies.

7.0: Annexure (Enclose Questionnaire format):

<u>Annexure-1</u>

<u>**FEEDBACK FORM FOR SUBJECT EXPERTS**</u>

Background Information
Name:
Dr. Age Group: 20-30   30-40   40-50   50 and above
 Male: Female:
Place of Employment: Delhi
Are You Associated with IGNOU: Yes   No
If Yes, Yes, Faculty in what Capacity:
Subject /Discipline:

Teaching Learning is an important component in any Open University. Feedback is very important for University to grow. You have   contributed in the design and development of the curriculum. To improve the system, kindly respond to the following statements.

SA: Strongly Agree, A: Agree, DA: Disagree, SDA: Strongly Disagree

S. No	Statement	SA		Neutral	SDA	DA
1	You were briefed about to the pedagogy of Curriculum Design Development in an OU					
2	Need Analysis was discussed before finalizing the Curriculum					
3	Subject Expert Committees reviewed the curriculum of other universities					
4	Guidelines were provided for the development of the curriculum					
5	As subject experts you were involved in the curriculum review process					
6	Feedback from others like alumni and industry was discussed during the framing of curriculum					
7	Whether the curriculum of your subject was updated					
8	Curriculum matches with the level of the Programme					
9	Orientation was given in the development of Self Learning Material					
10	Self Learning Materials are Learner Centric					

List the areas that need attention to bring desired improvement in the system_____
_____
_____