SUPPORTING DOCUMENTS
NAAC AQAR: 2021-22

6.2.1	*The institutional Strategic/ perspective plan is effectively deployed* **Attachment:** *Supporting Documents*

IMS ENGINEERING COLLEGE, GHAZIABAD

RESEARCH POLICY FOR PROMOTION OF RESEARCH

The College thrives to focus on excellence in research and aims to stay ahead in the Science and Technology sector. Our commitment towards research yields long term technical impacts over interdisciplinary areas. The R&D cell serves as a wide platform for all research enthusiasts who have a constant thirst for innovation and development.

Objectives:

The main objective of proposed research policy is to motivate the faculty members of the institute to undertake quality research, consultancy and other academic related activities.

Scope:

The scheme covers all faculty members of the institute. The scope of the schemes is as follows:

- To encourage and support faculty members to conduct research in all fields and disciplines of Engineering, Applied Science and Management.
- To encourage faculty members to submit proposals for funded research projects from various funding agencies in India and Abroad.
- To utilize existing facilities effectively and establish new facilities for conducting and implementing research.
- To file more patents.
- To develop core group of faculty members with increased potential for research.
- To utilize the Incubation Centre to motivate students and faculty members for innovations and start-ups.
- To adopt collaborative research with IIT, NIT, Research centres and industries.
- To publish the research works in renowned journals (preferably SCI/SCOPUS/UGC approved journals).
- To motivate faculty members to apply for funds to conduct Faculty Development Programs at National/International level.

Details of Promotion Schemes:

The Research Committee will ensure that policies and procedures will be adhered to in order to ensure that high standards of scientific integrity are maintained. The Institute provides the following administrative and financial support and

accounting facilities for carrying out the research projects. Faculty members of IMS Engineering College can avail the following benefits:

S.No.	Category	Incentives
1	Journal Publications: *	
	(SCI/SCIE)	Rs. 8,000/- + credit points in Annual Appraisal
	SCOPUS/Emerging SCI / UGC approved journals	Rs. 5,000/- + credit points in Annual Appraisal
2	Publication in National/International Conference	OD + Registration Fee upto Rs. 2,000/- + credit points in Annual Appraisal
3	Workshop/ FDPs/Seminars	OD + credit points in Annual Appraisal
4	Book/Chapter Publications	credit points in Annual Appraisal
5	Funded Projects	credit points in Annual Appraisal
6	PATENTS	Fees for patent filing + credit points in Annual Appraisal

* For Journal Publications: If the paper is contributed by more than one authors (associated with IMSEC), amount will be shared in the following ratio:

       Single author: (100%)
       Two authors: (60:40)
       Three authors: (50:25:25)
       Four authors: (40:20:20:20).
       (No reimbursement will be made to 5th and subsequent authors).
       No amount will be paid to co-authors not associated with IMSEC.

Basic Guidelines for Funded Projects:

- The entire sanctioned amount shall be utilized as per the guidelines of the funding agency
- In case the Principal Investigator leaves the Institution, all the items purchased shall remain as an asset of the Institution. In case of ongoing projects, the responsibility will be delegated to other competent staff members as per the norms of the sponsoring agency.
- All Heads of the Department must regularly and diligently update the R&D information on the Institution website and submit the reports to R&D team.

- Every project preferably leads to at least one research publication in a journal indexed in SCI/SCOPUS/UGC approved journals.

Basic Guidelines for Patents:

Receiving patent for one's research work is one of the most important factors denoting the quality of research. Financial and legal assistance shall be provided to those who are interested in registering for the patent. The patent shall irrevocably be registered in the name of IMSEC with the researcher's name prominently featuring as the inventor. The commercial aspects shall be mutually worked-out between the Institution and the researcher.

General Guidelines:

The general guidelines for faculty members of institution are:
1. Every faculty member should attend **at least one FDP/Workshop/Short Term Training Program** (online/offline) of minimum 5 days in an academic year.
2. Every faculty member should publish **at least two research papers** in an academic year. One paper may be in reputed journal (SCI/SCOPUS/UGC/WoS indexed journals) and other should be presented in international conference (IEEE/SCOPUS indexed).
3. The published papers must have **"IMS Engineering College, Ghaziabad"** as the affiliation. The author needs to claim the incentive only after the volume number, issue number, and page number have been assigned to the research paper and it is available online.
4. All the claims must be applied **through proper channel** (through R & D Cell) and will be settled at the **end of academic year.**
5. A maximum of 5 days **"ON DUTY"** leave may be granted in an academic year for research activities. Leaves must be pre-sanction by concerned HOD and Director.
6. Faculty member has to handover the C.D./proceedings and related material to the central library through the HoD for the conferences attended.
7. Faculty who attend FDPs must disseminate knowledge and information by organising Student Development Programmes (SDP)/Student Workshops/ Presentation, for the benefit of faculty and students in their respective departments.

04·03·2022

(Dr. Vikram Bali)
Director

Copy to:
Hon'ble Treasurer for kind information please.

3

ADD ON COURSE DETAILS

SESSION 2021-22

Name of Add on /Certificate programs offered	Course Code (if any)	Year of offering	No. of times offered during the year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
Add On on Advance Java	Nil	2021-22	1	30	66	66
Add On on Advance Machine Learning with Python	Nil	2021-22	1	30	63	63
Add On on Data Mining with Data Anaytics	Nil	2021-22	1	30	64	64
Add On on Digital Logic Design	Nil	2021-22	1	30	330	330
Data Mining	Nil	2021-22	1	30	57	57
Diversification of Emerging Technology & Open Source Support	Nil	2021-22	1	32	8	8

Certificates:

IMS Engineering College, Ghaziabad

DEPARTMENT OF INFORMATION TECHNOLOGY

CERTIFICATE OF PARTICIPATION

(SESSION 2021-22)

This is to certify that _____ **Vineet Tiwari** _____

has successfully completed the Add-on Course on "Diversification of Emerging Technology and Open Source Support" (Duration: 32 hrs.) organized by Department of Information Technology, IMS Engineering College Ghaziabad.

Dr. S. N. Rajan
Program Coordinator

Dr. Suchi Gupta
HOD-IT

IMSEC/IT/2021-22/AOC/08

IMS Engineering College, Ghaziabad

DEPARTMENT OF INFORMATION TECHNOLOGY

CERTIFICATE OF PARTICIPATION

(SESSION 2021-22)

This is to certify that _____ **Shuchi Smita** _____

has successfully completed the Add-on Course on "Diversification of Emerging Technology and Open Source Support" (Duration: 32 hrs.) organized by Department of Information Technology, IMS Engineering College Ghaziabad.

Dr. S. N. Rajan
Program Coordinator

Dr. Suchi Gupta
HOD-IT

IMSEC/IT/2021-22/AOC/07

IMS Engineering College, Ghaziabad

DEPARTMENT OF INFORMATION TECHNOLOGY

CERTIFICATE OF PARTICIPATION

(SESSION 2021-22)

This is to certify that _____ *Shreya Shukla* _____

has successfully completed the Add-on Course on "Diversification of Emerging Technology and Open Source Support" (Duration: 32 hrs.) organized by Department of Information Technology, IMS Engineering College Ghaziabad.

Dr. S. N. Rajan
Program Coordinator

Dr. Sachi Gupta
HOD-IT

IMSEC/IT/2021-22/AOC/06

IMS Engineering College, Ghaziabad

DEPARTMENT OF INFORMATION TECHNOLOGY

CERTIFICATE OF PARTICIPATION

(SESSION 2021-22)

This is to certify that _____ *Shivam Rai* _____

has successfully completed the Add-on Course on "Diversification of Emerging Technology and Open Source Support" (Duration: 32 hrs.) organized by Department of Information Technology, IMS Engineering College Ghaziabad.

Dr. S. N. Rajan
Program Coordinator

Dr. Sachi Gupta
HOD-IT

IMSEC/IT/2021-22/AOC/05

Criteria – I – Curricular Aspects

Summary of the Feedback Analysis & Action Taken Report
(Academic Year 2021-22)

INDEX

Feedback summary on Curriculum Collected from Different Stakeholders

SESSION – 2021-22

Students Feedback:

We have collected feedback from our students of different branches for the session 2021-22. Total 1132 students of different departments participated in the feedback and responded to a variety of questions.

Department

1,132 responses

- AS&H
- BT
- CSE
- CS
- CSD
- CE
- IT
- EC

▲ 1/2 ▼
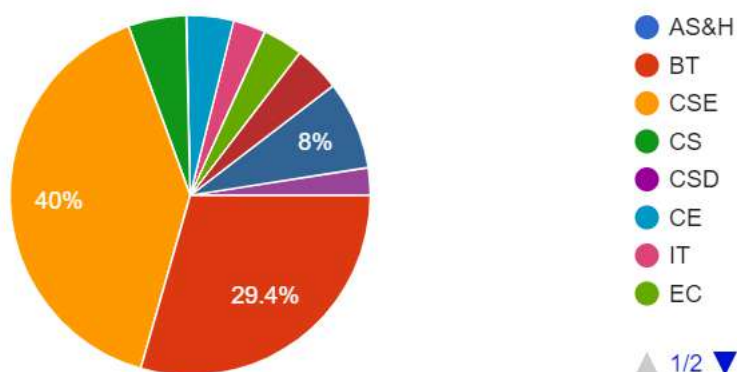
In this feedback form a special five-point scale on the curriculum was developed. The students were encouraged to provide their feedback in an unbiased way and in accordance of their experience.

Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	**Agree**	**Neutral**	**Disagree**	**Strongly Disagree**
1	Course Suitability	51.1	30.6	9.0	6	2
2	Well defined Objectives and Outcomes	50.6	30.7	8.8	6.9	2

3	Availability of suitable reference material	51.2	29.5	9.2	6.8	3.3
4	Availability of variety of Elective subjects	50.4	29.7	10	6.8	3.3
5	Balance between theory and Practical application	51.2	27.2	10.8	7.8	2.8
6	The Syllabus is able to generate interest in subject area	51.4	30.0	8.8	7.0	2.7
7	Inclusion of contemporary and emerging topics	50.5	29.9	10.0	7.1	2.4
8	Subjects are industry oriented	51.4	27.7	10.5	7.1	3.3
9	Adequacy in terms of skill development, knowledge and analytical ability	50.6	30.8	9.2	6.2	3.1
10	Application of syllabus in real time situation	51.8	28.5	9.6	7.1	2.8
11	Helpful in higher studies.	53.4	27.6	9.1	7.1	2.7
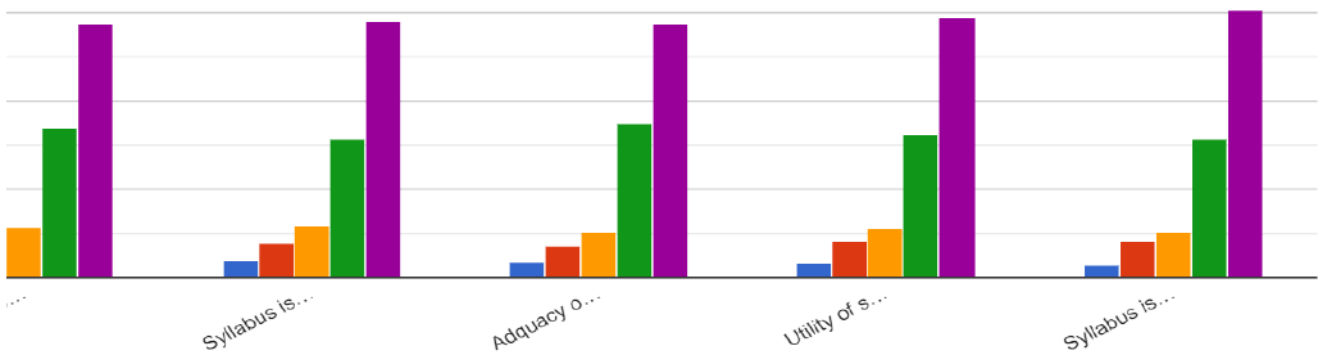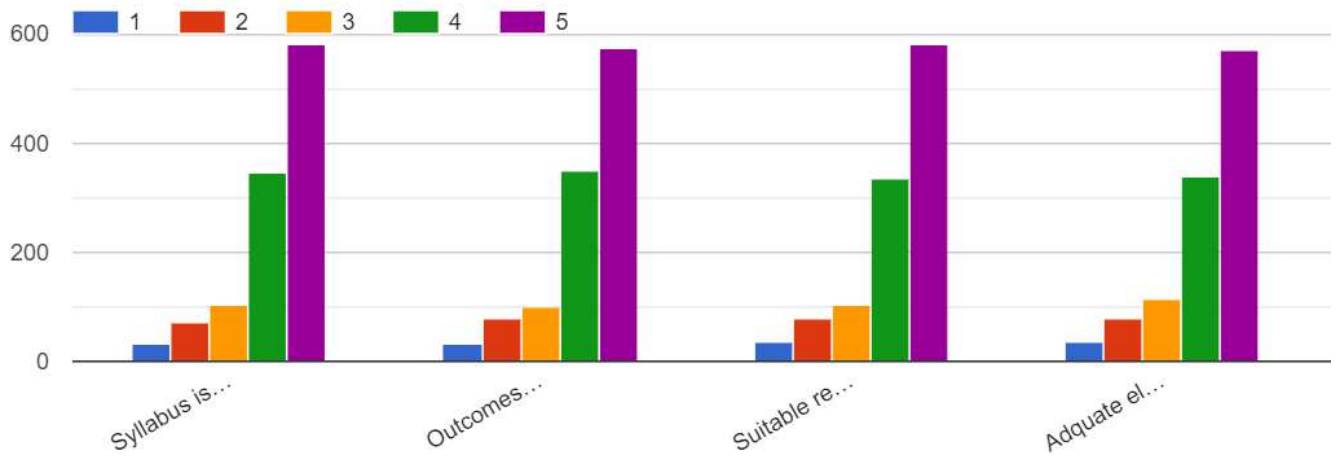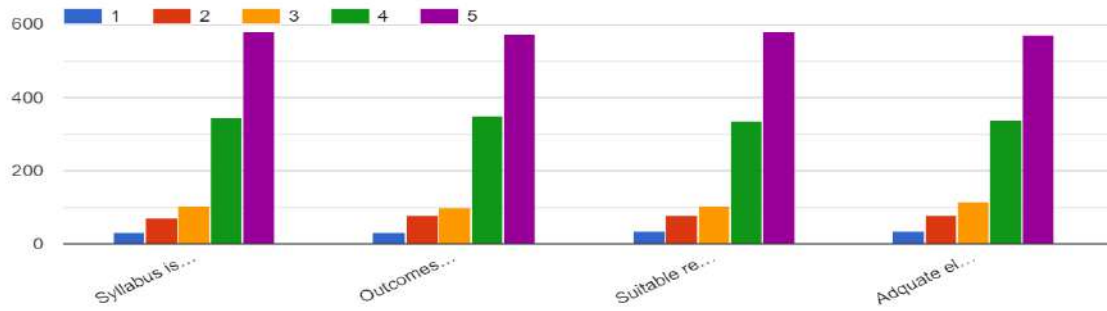
Analysis

- Majority of students felt that the objectives were clear for each course and the course workload was also manageable by the students.

- The syllabus was relevant to the contemporary world and suitable for the placements in job market. Even the curriculum helps the students to be a responsible citizen of the country.

- Students were satisfied with the availability of reference material available online as well as in library.

- Few students suggested that there should be more balance between the theoretical and practical subjects and some code-based courses should be added.

Faculty Feedback:

We have collected feedback from our faculties of different branches for the session 2021-22. Total 95 faculties of different departments participated in the feedback and responded to a variety of questions.

Designation
95 responses

- Professor
- Associate Professor
- Assistant Professor

86.3%
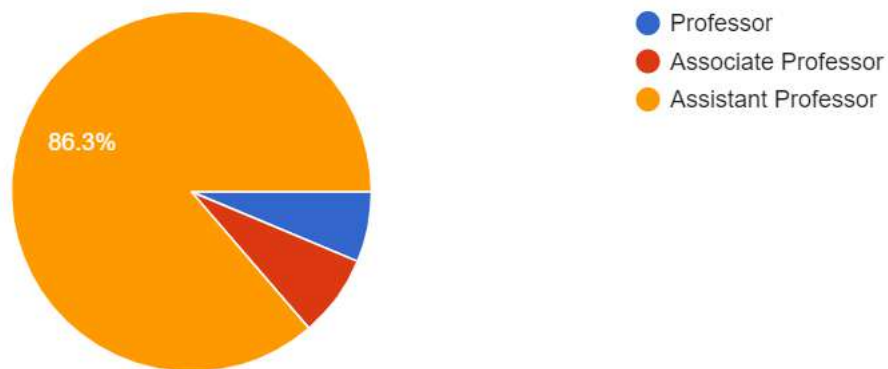
Department
95 responses

- AS&H
- BT
- CSE
- CS
- CSD
- CE
- IT
- EC

▲ 1/2 ▼

10.5%
11.6%
30.5%
29.5%
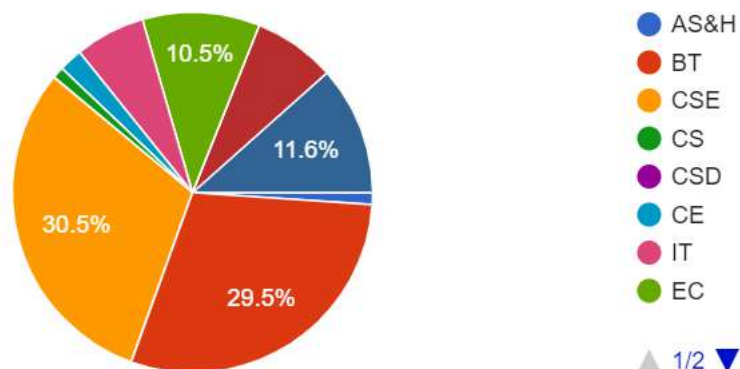
The faculties were encouraged to participate in the process in an unbiased manner and respond to questions in accordance to their experience.

| Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Course Suitability	35.8	44.2	13.7	4.2	2.1
2	Well defined Objectives and Outcomes	32.6	48.4	12.6	4.2	2.1
3	Availability of suitable reference material	34.7	43.1	14.7	5.3	2.1
4	Availability of variety of Elective subjects	27.4	45.3	17.9	6.3	3.1
5	Balance between theory and Practical application	22.1	38.9	24.2	9.5	5.2
6	The Syllabus is able to generate interest in subject area	35.8	44.2	13.7	2.1	4.2
7	Inclusion of contemporary and emerging topics	30.5	42.1	17.9	5.3	4.2
8	Subjects are industry oriented	26.3	42.1	2.1	6.3	4.2
9	Adequacy in terms of skill development, knowledge and analytical ability	32.6	46.3	13.7	4.2	3.1

10	Application of syllabus in real time situation	34.7	43.1	1.0	4.2	4.2
11	Helpful in higher studies.	38.9	36.8	16.8	2.1	5.3
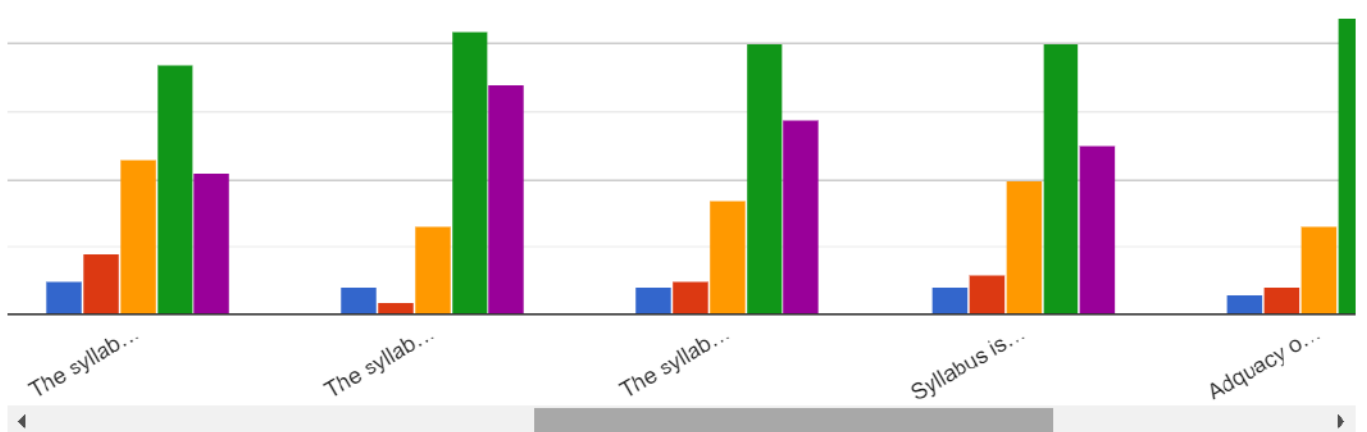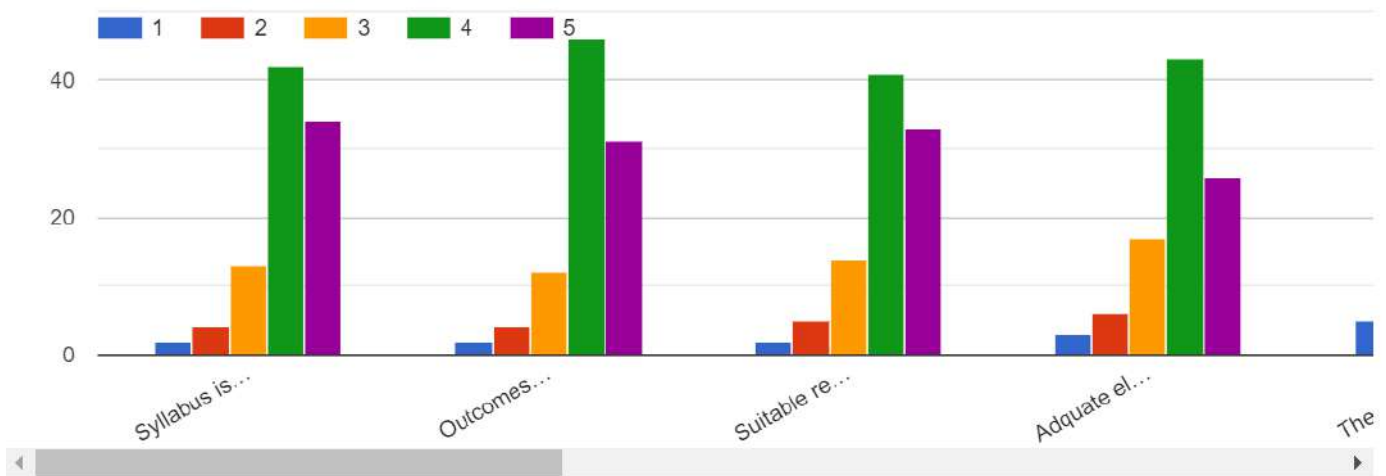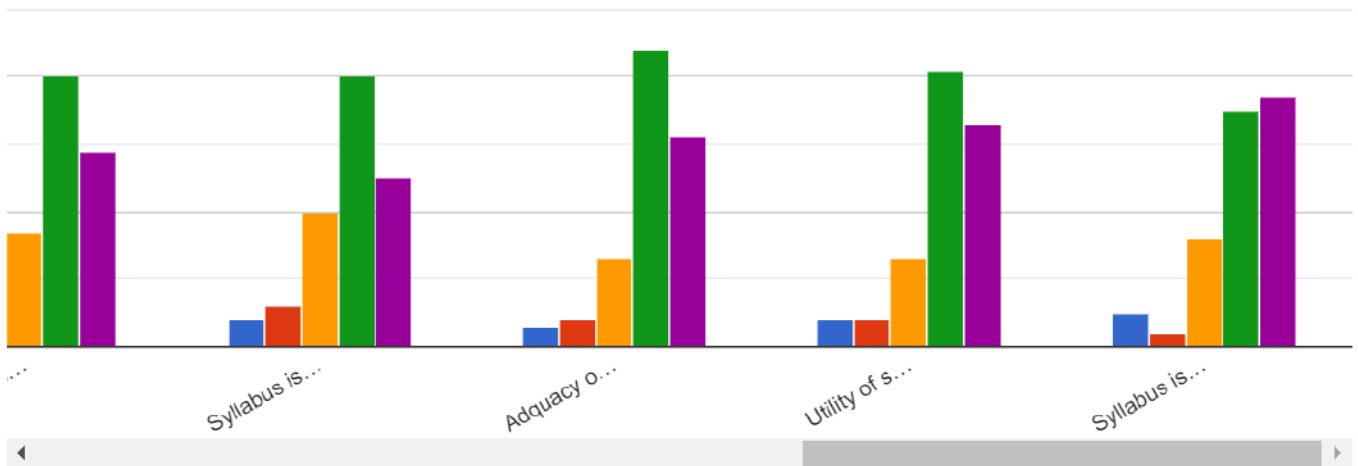
Analysis

- About one third of the respondent faculties were fully satisfied with the curriculum. They felt that the curriculum supports higher learning and applied learning.

- The faculty members purpose to include more practical / program. Also, they suggested to start add on course in contemporary courses like Python/ Block chain so as to make students industry ready.

- In Bio technology, suggestions to include add on courses of basic programming languages like C, C++ and SQL were made.

- Also, it was observed that more hospital based, emerging disease diagnostics should be included.

Alumni Feedback:

The institute contacted various alumni to get their feedback regarding relevance of curriculum and their suggestions. The alumni were satisfied with the curriculum and the infrastructure support provided by the institute. They suggested that students should be encouraged to make research-based projects. More internship opportunities should be provided to assimilate them with industry environment. It was also suggested basic programming should be introduced in all programs such as Mechanical Engineering, Civil, Bio technology etc.

Department

35 responses
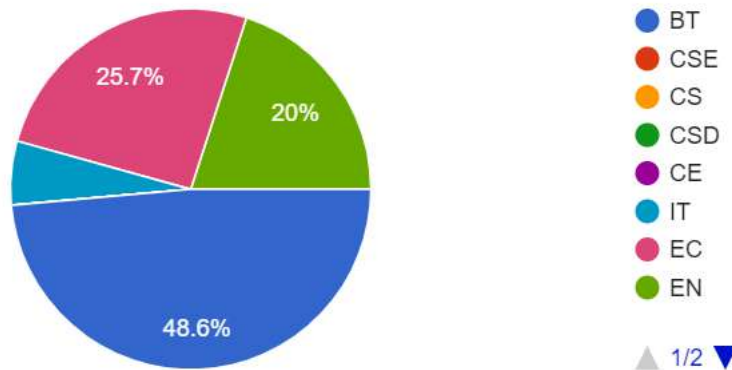
Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Course Suitability	48.4	43.6	3.7	2.1	2.1
2	Well defined Objectives and Outcomes	32.6	30.0	22.6	8.2	5.1
3	Availability of suitable reference material	43.1	34.5	14.7	5.3	2.1
4	Availability of variety of Elective	44.2	39.7	7.9	6.3	1.1

	subjects					
5	Balance between theory and Practical application	44.2	32.7	19.2	2.5	1.2
6	The Syllabus is able to generate interest in subject area	35.8	30.0	13.7	12.1	6.2
7	Inclusion of contemporary and emerging topics	45.3	41.9	7.9	3.3	2.2
8	Subjects are industry oriented	46.3	38.8	2.1	6.3	4.2
9	Adequacy in terms of skill development, knowledge and analytical ability	36.8	23.8	15.7	14.2	6.1
10	Application of syllabus in real time situation	42.1	28.5	11.0	14.2	4.2
11	Helpful in higher studies.	43.1	37.6	16.8	2.1	0.3
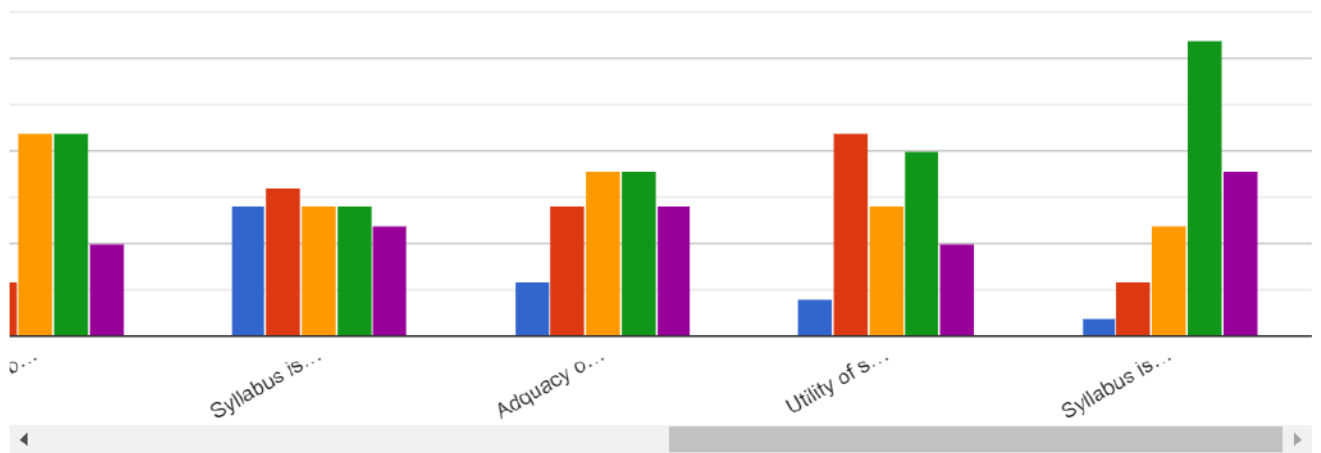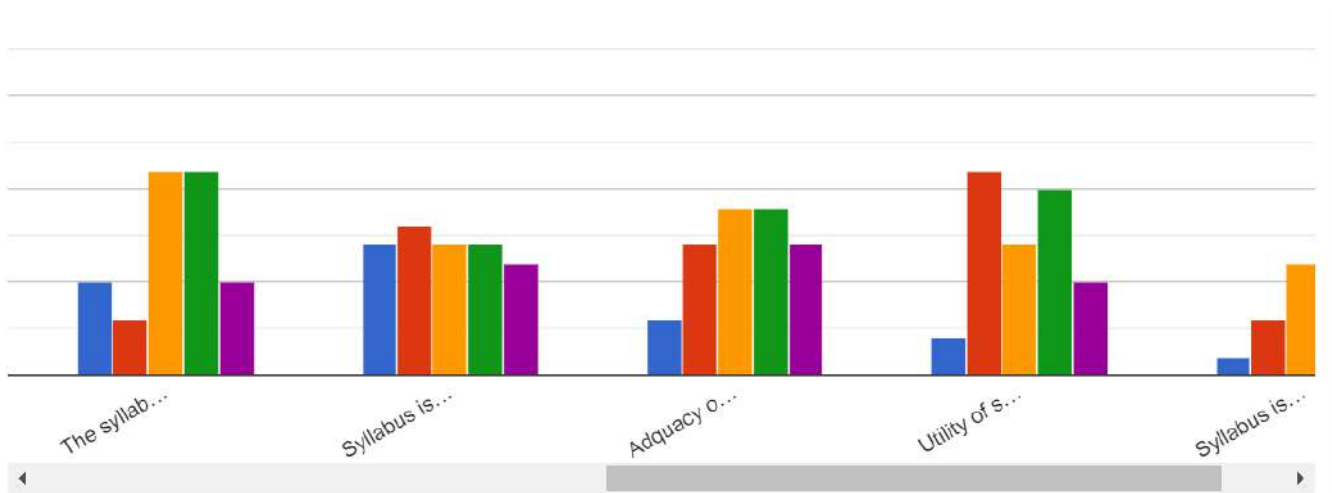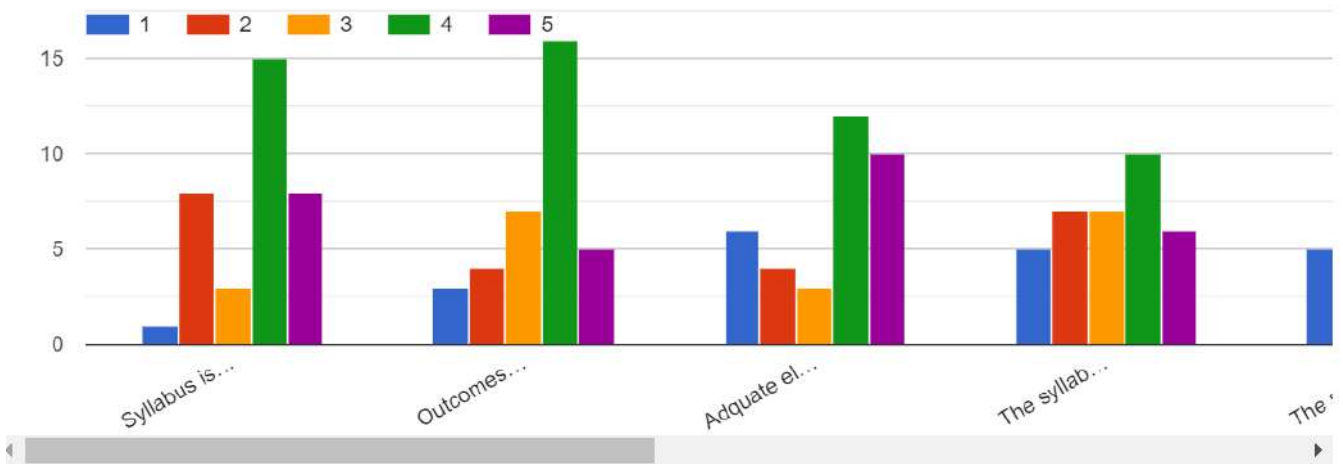
Analysis

- The Alumni suggested including more projects/ Internship opportunities for the students.

- More emphasis should be given to industrial exposure and independent studies.

- Improvement in soft skill is need of the hour.

- More discussion classes, expert talks and value-based education should be included.
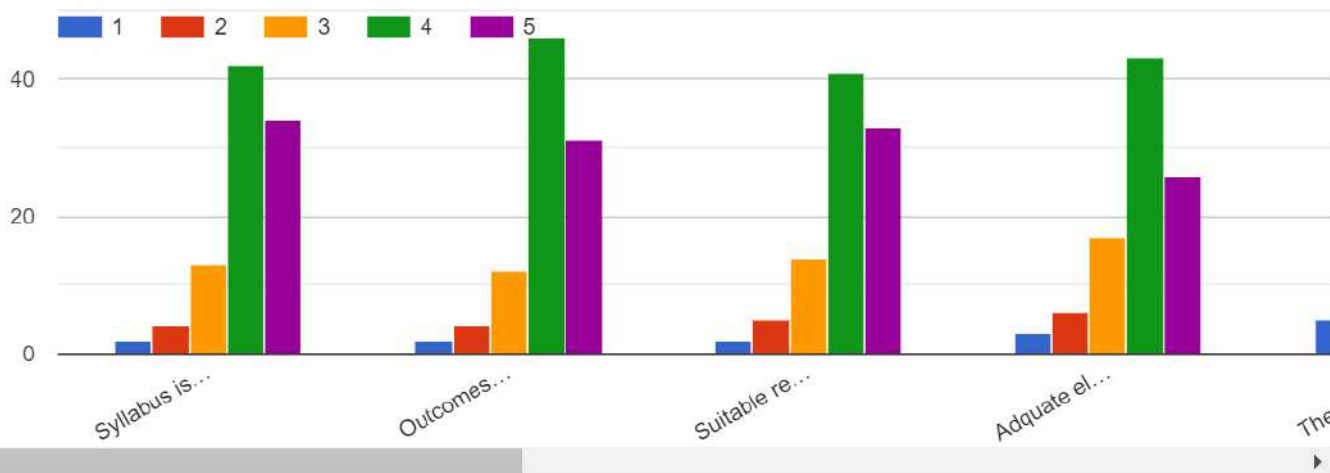
Employer Feedback:

Industry players and regular employers were contacted and asked about their views regarding curriculum. They were satisfied by the overall curriculum. They felt that the syllabus form the strong foundation for the students and students can easily adapt to the industry. They appreciated the inclusion of Human Values in curriculum. It was suggested that the college should include few value added courses such as soft skill, personality development etc.

Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Course Suitability	38.9	35.8	9.2	12.1	3.3
2	Well defined Objectives and Outcomes	44.2	32.6	10	3.3	9.0
3	Availability of suitable reference material	42.1	34.7	10.8	10.8	1.1
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8	Subjects are industry oriented	40.4	26.3	19.6	12.8	1.1

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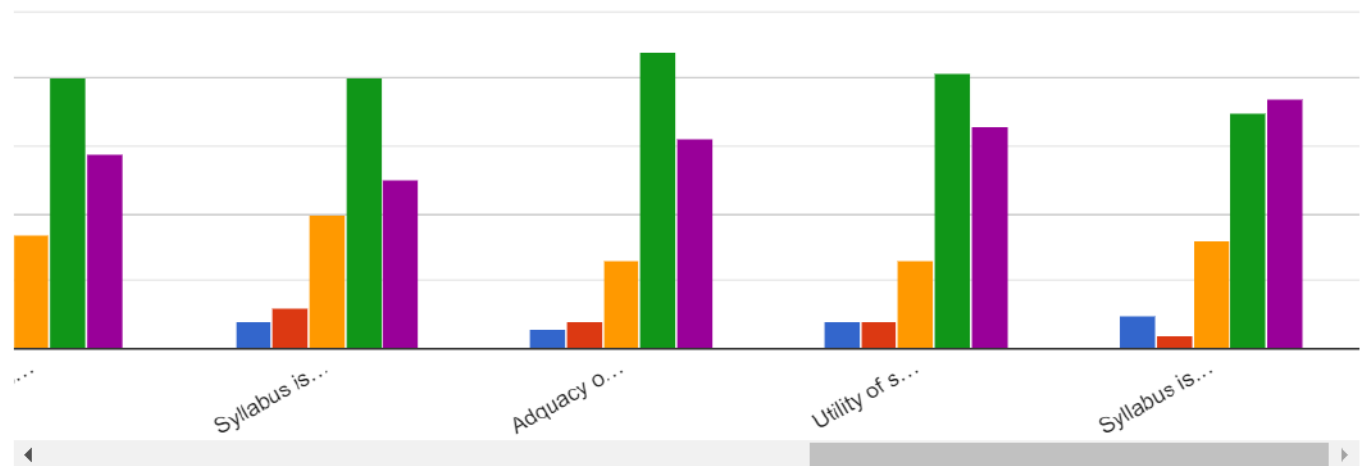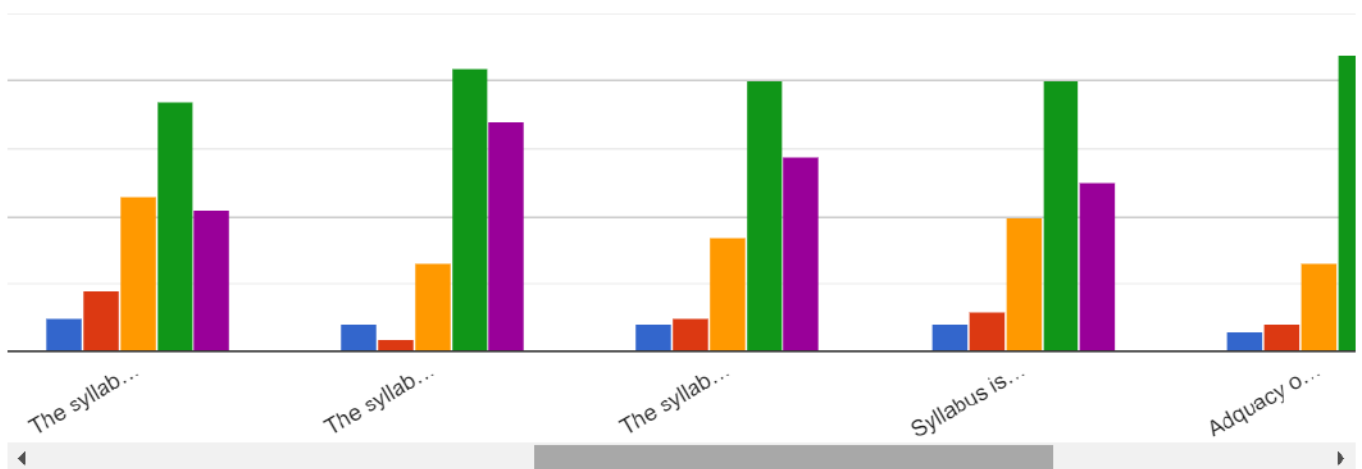
Analysis

- A total of 15 employers were contacted and were requested to share their feedback on various points.

- The employers were satisfied with the curriculum and appreciate that institute was taking measures to fill in the gap between industries and college curriculum.

- They suggested organising expert talks and industrial visits for the students. Much emphasis was given to encourage students to know about the trending technical topics.

- The employers also stressed upon the significance of improving soft skills of students.

Action Taken Report

The feedback given by all the stake holders was discussed and analysed by IQAC cell and following recommendations were made:

1. The numbers of practical done in lab course should be increased in all programs.

2. More opportunities of Internship, Trainings and Industrial visits should be given to students.

3. Few add on courses based on current industry trends should be included.

4. Add on courses in programs such as mechanical, Electronics, Bio technology etc. should include basic programming such as C, C++, Python etc.

5. Various value-added courses such as personality development, soft skills etc. should be included in all programs. `

6. Real life-based projects and field work are encouraged in programs such as Biotechnology, Mechanical and Civil Engineering.

IMS Engineering College, Ghaziabad
NAAC Accredited & NBA Accredited Programme
Approved by AICTE New Delhi & Affiliated to AKTU, Lucknow
Under the aegis of IMS Society, Ghaziabad

Home / **Value-Education-Cell**

Quick Links

📄 Abour Us ▶

📄 Vission / Mission

👥 VE-Cell Members

Value Education Cell

Value Education Cell has been setup in the IMSEC under the guidelines of AICTE. Various commissions and expert committees on education have repeatedly highlighted the need for value-based education. Continuous happiness is naturally acceptable to every individual. This is part of every human being; no one needs to verify this but every human being enable to refer with right understanding to reach our aspiration. The VE- Cell at IMSEC has been established to create an effort to fulfil our responsibility in providing our students faculty and staff members through developing realization and right understanding. Accordingly, they should be able to discriminate between valuable and the superficial in real situation in their life.

QUICK LINKS

› Mandatory Disclosure

› Approval Letters

› Balance Sheet & Audit Report

› MoE/ UGC/ AICTE Addon
  Programs

› Grievance

QUICK LINKS

› Engineering College
  Milestones

› Guideline for Students

› Convocation Proceeding

› NAAC

› Campus-Green Policy

FEST @ IMSEC

› Cultural Fest : Vibgyor

› Sport Fest: Chakravyuh

› Technical Fest: Technovation

IMSEC SPORTS

› Zonal-Sports-Fest-2022

› Sports & Leisure

GUIDELINES FOR ANTI RAGGING

› Anti Ragging

› Ruling of Supreme Court

› Order of Supreme Court

› UGC Regulation

STAY CONNECTED

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Quick Links

📄 Abour Us

📄 Vission / Mission ▶

👥 VE-Cell Members

VE Cell- Vision / Mission

Vision: The objective of the Value Education Cell is to integrate human values in technical education by nurturing students to live happily with human beings, mutual prosperity with rest of nature, along with the development of technical competence through realization and right understanding.

Mission:

1. Develop Right Understanding By sharing the understanding of what to do (Value Education).
2. Develop Right Skills by teaching how to do (Technical Education).
3. Practice Right living during the period of education and its continuity.
4. Living in relationship with human being leading to mutual happiness.
5. Living in relationship with rest-of-nature leading to mutual prosperity and hence ensuring eco-friendly environment in the campus .

QUICK LINKS

QUICK LINKS

FEST @ IMSEC

GUIDELINES FOR ANTI RAGGING

STAY CONNECTED

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W

IMSEC SPORTS

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> Sports & Leisure

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Web Design & Development by Team-IT

Home / Value-Education-Cell

Quick Links

📄 Abour Us

📄 Vission / Mission

👥 VE-Cell Members ▶

Structure of Value Education Cell

Chairperson - Prof (Dr.) Vikram Bali

Convener - Dr. Pankaj Goel

Coordinator - Dr. Santosh Kumar Mishra

Co-Coordinator - Ms. C. Pushpanjali Patel

Faculty Representative -

1. Prof. Abhijeet Das(MBA)
2. Ms. Anjali Sardana(CSE)
3. Dr.Vivek Kumar (BT)
4. Dr. Renuka (AS&H)
5. Ms. Mayurika Saxena(ECE)
6. Mr. Sameer Anand(EN)
7. Mr. Sumit Sharma(ME)

Staff Representative -

1. Mr. Manoj Kumar Kukreja
2. Mr. S.P. Garg
3. Mr.Amit Kumar
4. Mr. Arun Singh
5. Mr. Prashant Kr. Taank
6. Mr. Amit Som

Student Representative -

1. Ms. Ishika Singhal MBA 2nd Year
2. Ms. Saumya Saxena BT 3rd Year
3. Mr. Prateek Chodhary EN 3rd Year
4. Mr. Anish Choudhry ME 3rd Year
5. Ms. Nidhi BT 2nd Year
6. Mr. Adarsh Srivastav EC 3rd Year
7. Mr. Saket CSE 3rd Year
8. Mr. Shrey Deshwal CS 2nd Year
9. Ms. Shreya Shukla IT 2nd Year
10. Ms. Tanushree IT 2nd Year

QUICK LINKS   **QUICK LINKS**   **FEST @ IMSEC**   **GUIDELINES FOR ANTI RAGGING**   **STAY CONNECTED**

IMSEC SPORTS

NH-09, Adhyatmik Nagar, Distt: Ghaziabad. UP.

› Zonal-Sports-Fest-2022

› Sports & Leisure

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WhatsApp: +91-9821396583

Admission:
+91-9821396581/82/83
Toll-
Free(Admission):18001028303
Email-Id:
enquiry@imsec.ac.in

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