



Yearly Status Report - 2017-2018

Part A

Data of the Institution

1. Name of the Institution		IMS ENGINEERING COLLEGE
Name of the head of the Institution		Dr. Sraban Mukherjee
Designation		Director
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		01204940000
Mobile no.		9821396584
Registered Email		imsec@imsec.ac.in
Alternate Email		director@imsec.ac.in
Address		NH-24, Adhyatmik Nagar,
City/Town		Ghaziabad
State/UT		Uttar pradesh
Pincode		201015
2. Institutional Status		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. Narendra Kumar
Phone no/Alternate Phone no.	01204940000
Mobile no.	8010568418
Registered Email	imsec@imsec.ac.in
Alternate Email	director@imsec.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://imsec.ac.in/naac.html
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://imsec.ac.in/cal2010.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.80	2009	30-Sep-2009	29-Sep-2014
2	A	3.04	2015	01-May-2015	30-Apr-2020

6. Date of Establishment of IQAC	04-Apr-2012
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Encouragement for live projects	06-Oct-2017 2	500
Multiple sets of Question	01-Aug-2017	3000

Papers for Sessional Examinations	30	
Applied for NBA Accreditation in Biotechnology	11-Nov-2017 45	210
Participation in NIRF	15-Dec-2018 30	3300
Students Feedback (Even Semester)	13-Jun-2017 7	2650
Students Feedback (Odd Semester)	15-Dec-2017 6	2650
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
IMSEC	Air Quality Monitoring at two places at Hapur City	U.P. Pollution Control Board	2017 365	872000
ME Department	5-Days Faculty Development Programme on "Advancements in Materials and Manufacturing" on July 24th - 28th, 2017	Dr. A.P.J. Abdul Kalam Technical University, Lucknow	2017 5	100000
CSE Department	2-Days National Workshop on "Research & Project Development Using Machine Learning Techniques" on 24th - 25th January, 2018	AICTE, New Delhi	2018 2	100000
CE & IT Departments	5-Day Faculty Development Programme on 'Geo Informatics' on 11th -15th June, 2018	Dr. A.P.J. Abdul Kalam Technical University, Lucknow	2018 5	100000
CSE Department	National Seminar on "Recent Advances on	28th June, 2018	2018 1	50000

Computer Vision
And Image
Processing" on

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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

1

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

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11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Encouraging faculty and students undergone NPTEL/online courses.

Multiple set of question papers prepared for sessional examinations.

Emphasis on innovative live projects.

Applied for NBA Accreditation in Biotechnology

Use of ICT in Teaching-Learning Process

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Research Publication	Faculty Publication: International Journals - 32 National Journal - 11 International Conference 12 National Conference - 7 Research Contribution 1 Book (authored) - 1 Book (edited) - 1 Book Chapter 7 Student Publication: International Journals - 72 National

Journal - 1 International Conference 3
National Conference - 4

Remedial Classes

Better Academic Result

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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	13-Mar-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>IMSEC has a well organized Management Information System for managing the information of the college in a systematic way. It contains modules like: i) Academic ii) Account iii) Admission iv) Assignment v) Hostel vi) Human Resource</p> <p>i) Academic: Academic Module contains/provides important academic information like notice section, attendance, class schedule, test marks, students registration etc.</p> <p>ii) Account This module contains/provides information about the account of the students like fees payment, dues, hostel allotment etc.</p> <p>iii) Admission This module contains/provides admission information of students, information about students, etc.</p> <p>iv) Assignment This module contains/provides information of assignments given to students by faculty like studentwise assignment information, facultywise assignment information and sectionwise assignment.</p> <p>v) Hostel This module maintains information of hostel allotment to the students, registration by students, payment by students, their dues etc.</p> <p>vi) Human Resource This is also a HR Section module maintaining information of employees, their leave etc.</p> <p>vii)</p>

Transport This module maintains the information about transport facility being used by faculty and students, their dues, route of the bus. All these above modules help the college to maintain relevant information and daytoday working of the college in an organized way.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

At IMSEC, we have a mechanism of curriculum delivery and documentation in a planned manner, which is mentioned below: Planning and Implementation of Teaching-Learning IMSEC is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow and curriculum is planned and decided by the University. But in curriculum delivery, planning of institute matters a lot which are mentioned as below: a. Academic Planning ? Faculty are allotted subjects based on their expertise and subject choices. ? Academic calendar is prepared in line with university calendar at the beginning of every semester. ? Action Plan by Department and review of previous semester: - Departmental meetings are held to discuss action plan. - Academic responsibilities are defined and process of implementation is discussed. - Monthly departmental meetings are held to monitor progress. - Faculty members prepare Course Files in a pre-defined format and Contents beyond syllabus are also added to provide to upgrade knowledge of subjects. - Value addition programs are conducted. ? Collaborative Learning: - Fundamental and technical classes are scheduled. - Students are encouraged for self-learning activities and develop small projects. ? Learning through Project development: - Final year projects identification process initiated from 3rd year. - Weekly monitoring and evaluation is done. - Students are encouraged for project contests and writing papers. b. Classroom Teaching Planning ? Teaching plan, mapping of CO-PO and PSO, assignments, tutorial sheets/quizzes, mini projects, lecture notes/PPTs, question bank are part of Course File. c. Laboratory Experiments Planning Lab experiments are pre-planned in course files containing lab manuals, requirements and expected results. d. Content delivery effectively - Use of projects/white boards. - Use of quality reference materials like online tutorials, PPTs, videos. - Coverage of content beyond syllabus. - Sessions for solving problems. e. Teaching-Learning monitoring and improvement • Academic Monitoring - Facility of online reports in HOD's Login on college ERP including attendance, assignments, subject allocation, sessional marks report, letter to parents, student registration etc. - Discipline monitoring in students. - Meeting with Class Representatives - Short attendance notices and letters to parents about academic performance. - Visits by Director, Deans randomly to monitor classes. - Verbal feedback from students. - Analysis of course coverage. - Attendance on daily basis in registers and ERP. • Laboratory Monitoring - Lab manuals available in labs. - Viva-voce and lab experiments for performance evaluation. • Student Performance Monitoring - Analysis of students' performance in sessional exams. - Analysis of external university results and design strategy for improvement. - Regular analysis of class attendance. - Comparative analysis of student performance and discussion for improvement. • Bright Students - Top ranking students are awarded. - Top students work with weak students during team activities • Weak Students - Remedial classes for core subjects. - Tutorial classes for problem

solving and creative thinking - Extra classes/time to students. • Personal Monitoring - One-to-one counselling sessions are conducted.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Summer Training in ABB - Industrial Automation Centre	----	05/07/2017	26	Focus on Employability	----
Summer Training Programme on "Project Development using Java"	----	11/06/2018	24	Focus on Employability	----
Training Programme on "IBM-BigData with Hadoop using Infosphere BigInsights"	----	11/06/2018	24	Focus on Employability	---
Summer Training Programme on 'Hands-on Training in Molecular Biology'	----	04/06/2018	9	Focus on Employability	----
Solar Training Program	----	11/06/2018	23	Focus on Employability	----
Robotics Training Program	----	04/06/2018	45	Focus on Employability	----
Advanced Industrial Automation training in ABB - Industrial Automation Centre	-----	18/09/2017	120	Focus on Employability	----

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CSE, IT, EC, EN, ME, CE, BT	07/07/2018
Mtech	CSE, BT, ME, VLSI Design	01/07/2017
MBA	MBA	01/07/2017

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	196	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Summer Training in ABB - Industrial Automation Centre	05/07/2017	20
Soft Skill Training	16/08/2017	845
Aptitude Training	16/08/2017	832
Summer Training Programme on "Project Development using Java"	11/06/2018	103
Training Programme on "IBM-BigData with Hadoop using Infosphere Big Insights"	11/06/2018	18
Aptitude Classes	12/08/2017	50
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	CE	59
BTech	BT	42
MBA	MBA	39
BTech	CSE	218
BTech	IT	91
BTech	EC	137
BTech	EN	107
BTech	ME	177
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained

Feedback Faculty feedback - course wise/faculty wise is obtained from the students once in every semester. We have online faculty feedback collection system which consists of the following parameters: - Lecture Delivery/Communication - Understanding of subject - Punctuality Regularity in class - Timely Assignments given to the class - Timely Assignments checked and shown to the class Academic Feedback Analysis Process The feedback obtained is analysed online with the help of software at the institution level, subject wise/faculty and the report is generated. An average of all parameters as stated above, are taken and tabulated. Based on overall average score, the status is assigned as Excellent, Very Good, Good, Average and Below Average. Feedback on facilities We have a standard 'Student Survey Form' which is filled-up by the students of outgoing batch regarding facilities like laboratories, extra-curricular activities, value added training, Registrar and Accounts Office, hostel/mess, industry interaction, library, grievances, transportation and internet related issues. Feedback is also collected on basic amenities through Class Representative meetings. CR meetings are held once or twice during the academic session by the Director. Analysis of Feedback on facilities The 'Student Survey Form' collected from the students, is analysed critically and quantitatively, based on the parameters stated above in the collection process. An example of survey of 66 students from different branches is shown below: IMS Engineering College, Ghaziabad Students Feedback analysis report

S.No.	Concern Areas	Satisfied	Neutral	Dissatisfied
1	Canteen Facilities	19.40	47.76	32.84
2	Cleanliness in the hostel campus	74.58	32.20	30.51
3	Classroom infrastructure	20.90	52.24	26.87

Summary - According to the analysis report, out of 35 parameters, approximately 30 students wanted more improvement in 3 areas, namely Canteen facilities, Cleanliness in hostel and Classroom infrastructure. Corrective Actions Taken Corrective measures are taken by the Head of the Institute. Given below are the major areas of concern with their corrective actions: 1) Concern area - Canteen Facilities Action taken: The information was passed on to the authorities for necessary action. 2) Concern area - Cleanliness in the hostel campus Action taken: The information was passed on to the hostel warden for necessary action. 3) Concern area - Classroom infrastructure Action taken: All classrooms are now fitted with Air-conditioners and wall mounted projectors.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	CSE, BT, ME, VLSI Design	72	8	1
MBA	MBA	60	144	45
BTech	CSE, IT, EC,	900	1480	605

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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2017	2993	102	200	15	9

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
215	175	48	48	0	13
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Students Mentoring System At IMSEC we have a planned mentoring system to support students of all categories for professional guidance, career advancement and individual personal problems affecting his/her performance. For monitoring the progress of students, we have specially designed and printed Counsellor Cards for individual students to record and monitor their complete academic progress. It helps us to know the reasons of personality, irregularity and academic related problems of the students, if any. Batch-wise groups of students are distributed among faculty members expert in counselling, with the consent of HOD. This mentoring process helps in:

- Understanding the family and academic background of student through one-to-one meetings.
- Understanding the problems of students which they face due to change of residential place as well as areas in which the student needs motivation and guidance.
- Monitoring their academic progress and daily attendance on records.
- Ensuring extra academic help by mutual verbal agreement with related subject teachers.
- Sharing the academic progress with parents telephonically and through mail.
- Counselling for all necessary actions towards skill development of the students at personal level.
- Encouraging the students to attend PDP (Personality Development Program) for their all-round development.
- Motivating students to appear for competitive examinations of their interest and to identify the program and institutions where they can apply for a higher education.
- Solving course work specific problems by guiding the students to take notes, previous year question papers and remedial classes from the concerned teacher. For laboratory specific problems, they are asked to repeat the experiment in the presence of teacher.
- It helps in understanding the student in a better way. The efficacy of mentoring system is analysed in terms of student's performance in sessional and pre-university test.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3094	215	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
18	18	0	18	2

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. Abhimanyu Kumar Jha	Assistant Professor	Young Biotechnologist Award
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	BTech	Odd Semester	05/01/2018	13/02/2018
BTech	BTech	Even Semester	28/05/2018	14/07/2018
MBA	MBA	Odd Semester	05/01/2018	17/02/2018
MBA	MBA	Even Semester	29/05/2018	19/07/2018
Mtech	MTech	Odd Semester	05/01/2018	07/03/2018
Mtech	MTech	Even Semester	24/05/2018	08/08/2018
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level For improving the Continuous Internal Evaluation system, question papers, assignments, quizzes are prepared by the respective faculty members for all internal assessments like sessional examinations, internal viva-voce for laboratories. A. Departmental Initiatives At department level, following initiatives have been taken to prepare quality assignments for all internal assignments: - Regular discussions on quality of assignments, quizzes, mini projects etc. - References are made to old question paper and books of good standard - Lab Manuals are prepared and followed up - Contents beyond syllabus are also included B. Implementation Question papers of Internal Examinations: - Question papers are prepared by individual faculty. - To check the quality of question papers are done and final question papers are approved by HODs. - Common papers are required to be approved by Dean (Academic). Student Assignments: - Students are allocated assignments on weekly basis. - Assignments can be viewed/downloaded from portal. - Question banks are maintained and given to students by subject expert. C. Analysis Assignments - Assignments of students are marked on portal. - Summary report of submitted and marked assignment is available in Director/Dean and HOD login. - HOD analyzes the sample copies of checked assignments. Question papers of Sessional Examinations - Answer sheets are cross evaluated. - Sessional result analysis is discussed at HOD and Director level - A comparative evaluation of student's performance is carried out. Laboratory assignments - Viva-voce based evaluation is done for laboratory assignments

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Academic Calendar: At IMSEC, we prepare a well organized Academic Calendar and adhere to it. As this college is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, the Academic Calendar of the college is prepared in the line with University calendar. The Academic Calendar of the college is prepared semester-wise i.e. prepared before the commencement of each semester and all academic and other programmes of the semester are run in accordance with the Academic Calendar. The Academic Calendar is very well defined and it includes all important academic and administrative programmes of the college like commencement of classes, number of teaching days, dates of Class Tests, dates of assignments, date of Pre-university test, dates of important functions/ programmes the college would be organizing during the semester, list of holidays, tentative date/month of university examinations. The Academic Calendar of the college is uploaded on the college website and remains available there for the whole semester. The academic programmes of the college are strictly adhered to this Academic Calendar. Preparation of the Academic Calendar helps very much in streamlining the academic programmes and implementation of the same in a systematic way. All internal Tests and examinations are conducted strictly according to the Academic Calendar. A well organized Academic Calendar is really very helpful to the faculty as well as to the students in pre-planning of their academic work and preparation of the same in an effective way. It provides a preview of the whole semester to the faculty as well as to the students.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://www.imsec.ac.in/biotechnology.htm>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
MBA	MBA	MBA	53	51	96.22
B.Tech	BTech	CSE, IT, EC, EN, ME, CE, BT	831	825	99.27

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

No Data Entered/Not Applicable !!!

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Students Research Projects (Other	30	IIT Delhi	10000	10000

than compulsory by the University)				
Students Research Projects (Other than compulsory by the University)	90	U.P. Council of Science Technology, Uttar Pradesh	20000	20000
Students Research Projects (Other than compulsory by the University)	90	U.P. Council of Science Technology, Uttar Pradesh	20000	20000
Students Research Projects (Other than compulsory by the University)	90	U.P. Council of Science Technology, Uttar Pradesh	20000	20000
Projects sponsored by the University	730	Dr. A.P.J. Abdul Kalam Technical University, Lucknow (UP)	186000	186000
Projects sponsored by the University	730	Dr. A.P.J. Abdul Kalam Technical University, Lucknow (UP)	430000	385000
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Workshop on 'Recent Advancements in Industrial Biotechnology'	BT	04/08/2017
Workshop on "Stress Management"	MBA	09/08/2017
Workshop on 'PCB designing using Design Spark tool'	EC	23/09/2017
Workshop on 'Google's Applied CS with Android'	CSE	14/10/2017
Workshop on Digital Marketing	MBA	23/01/2018
2-Day National Workshop on "Research Project Development Using Machine	CSE	24/01/2018

Learning Techniques"		
Three-day Workshop on "Wireless Telecommunication, Data Warehouse, and Big Data"	IT	08/02/2018
Workshop on "MATLAB based SimPowerSystem"	EN	10/02/2018
Seminar on "New Emerging Technologies and various Aptitude strategies"	CSE	10/02/2018
Seminar on "Virtual Reality Applications"	IT	10/02/2018
Workshop on "Benefits Of Being Members Of Professional Engineering Bodies"	CSE	16/02/2018
Workshop on 'VLSI Opportunities'	EC	19/02/2018
Workshop on Linux Administration	CSE	17/03/2018
Seminar on "Network Management and Ethical Hacking with Android"	IT	21/02/2018
National Seminar on "Recent Advances on Computer Vision And Image Processing"	CSE	28/06/2018

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
ROBO-K9	Mr Satyam Pratap Singh, Ms Haritma Chaturvedi, Ms Roli Singh and Mr Shubham Chaudhary	Zonal Round of DRUSE-2018 (DRDO Robotics unmanned Systems Exposition) held at New Delhi	01/04/2018	Cash Prize of Rs.10000
BT Students Project	Shivani Garg, Saloni Mittal, Shaifali Saxena and Eishan Ji Mishra	Student Project Exhibition on Engineering Design (SPEED) 2018 held at G.D. Goenka University, Gurugram	16/03/2018	Best Innovation Award with Cash Prize of Rs.5000/-
IRON FIST	Mr. Kamal Singh Bisht, Mr. Mukul, Mr. Mubeen Haider	Dr. A.P.J. Abdul Kalam Startup Conclave held at AKGEC Ghaziabad	16/04/2018	1st Prize with cash award of Rs.10,000/-

REFRIGERATOR	Pranav Singh Vaibhav Saini (ME)	ANVESHNA FOUNDATION 2018 Science and Engineering Fair held at Delhi	16/02/2018	4th Rank in All Over India
Presentation	Deepak Jain, Ayushi Singh, Ashtha Singh	Merger and Acquisition" as a part of Innotech-17 Techfest held at KIET	10/11/2017	1st Prize
Poster presentation	Khushbu Misra	World Congress on Biotechnology and Biological Studies (WCBBS) 2017 at New Delhi	11/11/2017	1st Prize
AI Robotics Challenge	Mr. Vishal	IIT Hyderabad in association with nvision 2017	19/09/2018	Overall 1st Prize
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
IMS Engineering College	TBIP (Technology Business Incubation Park)	Govt. of India	Sunny Kumar Jadoon (ELISA Kit)	Biotechnological Test Kit	10/05/2017
IMS Engineering College	TBIP (Technology Business Incubation Park)	Govt. of India	Anand Mohan Singh	IOT Based PROBUS Smart	10/05/2017
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
ASH	2
CSE	1
ME	1
MBA	1

BT	1
EC	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	BT	3	0
International	ME	3	2.39
International	EN	5	0
International	CSE	1	0
International	EC	4	0.23
International	MBA	3	4.10
National	ME	1	2.59
National	EC	2	0
International	IT	12	2.58
National	MBA	1	1.90

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
MBA	3
IT	5
CSE	4
BT	11
EN	4
ME	2

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Time varying Coherence analysis between cardiac vascular signals in healthy and elderly subject using	Ram Sewak Singh	Vol. 39, Issue 1, IRBM, Elsevier, DOI: 10.1016/j.irbm.2017.12.004	2018	0	IMS Engineering College, Ghaziabad	12

adaptive continuous Morlet wavelet transform.						
BER Improvement in Fading Conditions Using QAM.	Balwant Singh	Trends in Opto-Electro Optical Communications, Volume 7, Issue 2, ISSN: 2231-0401 (Online), ISSN: 2347-9957.	2017	0	Department of Electronics Communication, Amity University, Noida, UP India	1
Multi Objective Optimization of Fused Deposition Modelling process parameters using RSM and fuzzy logic for build time and support material.	Manu Srivastava	International Journal of Rapid Manufacturing, Inderscience, ISSN(online): 1757-8825, ISSN(print): 1757-8817	2017	0	IMS Engineering College, Ghaziabad	12
A review of recent progress in solid state fabrication of composites and functionally graded systems via friction stir processing.	Manu Srivastava	Critical Reviews in Solid State and Materials Sciences. (Taylor Francis Online), 2017, (Impact Factor: 6.45), Pages 334-366 Published online: 15 Sep 2017	2017	7.58	IMS Engineering College, Ghaziabad	27
Detection of coronary artery disease by	Ram Sewak Singh	Clujul Medical Journal, Vol. 91, 10.15386/cj	2018	0	Department of Electronics and Communication Enginee	18

reduced features and extreme learning machine.		med-882, 2018.			ring, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar, India	
Alternative Refrigerants for HCFC 22.	Suneel Kumar Kalla	Journal of Thermal Engineering website, Volume: 4, Issue: 3, (APR 2018), pp: 1998-2017.	2018	0.76	IMS Engineering College, Ghaziabad	7
Investigation on the Effect of Tool Pin Profiles on Mechanical and Micro structural Properties of Friction Stir Butt and Scarf Welded Aluminum Alloy 6063.	Pankul Goel	Metals of MDPI open access journal.	2018	7	IMS Engineering College, Ghaziabad	6
Continuous Punjabi speech recognition model based on Kaldi ASR toolkit.	Jyoti Guglani	International Journal of Springer, DOI10.1007/s10772-018-9497-6, Volume 21, Issue 2, pp 211-216	2018	0.932	IMS Engineering College, Ghaziabad	0
Subnet Based Ad Hoc Network Algorithm Reducing Energy Consumption in MANET.	Pankaj Agarwal	International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12, Number 22	2017	0	IMS Engineering College, Ghaziabad	3

		(2017) pp. 11796-11802 (Scopus indexed)				
Detection of antimicrobial activity of leaves extracts (Alcoholic) of Mangifera indica Cymbopogon citratus ps. against bacterial and fungal strains.	Rashmi Chandra	Journal of Advanced Studies in Agricultural, Biological and Environmental Sciences, 4(3), 5-9	2017	0	IMS Engineering College, Ghaziabad	0
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Alternative Refrigerants for HCFC 22.	Suneel Kumar Kalla	Journal of Thermal Engineering website, Volume: 4, Issue: 3, (APR 2018), pp: 1998-2017.	2018	7	7	IMS Engineering College, Ghaziabad
Relationship Between Gender Sensitive Practices And Family Support And Its Impact on Psychological Well-Being of Women Employees In Call Centres In India.	Monica Verma	Employee Relations, Vol. 40 Issue: 1, pp. 155-172	2018	43	0	IMS Engineering College, Ghaziabad
Investigation on the Effect of	Pankul Goel	Metals of MDPI open access	2018	21	6	IMS Engineering College,

Tool Pin Profiles on Mechanical and Micro structural Properties of Friction Stir Butt and Scarf Welded Aluminum Alloy 6063.		journal.				Ghaziabad, India
Detection of coronary artery disease by reduced features and extreme learning machine.	Ram Sewak Singh	Clujul Medical Journal, Vol. 91, 10.15386/cjmed-882, 2018.	2018	10	18	IMS Engineering College, Ghaziabad, India
A review of recent progress in solid state fabrication of composites and functionally graded systems via friction stir processing.	Manu Srivastava	Critical Reviews in Solid State and Materials Sciences. (Taylor Francis Online), 2017, (Impact Factor: 6.45), Pages 334-366 Published online: 15 Sep 2017	2017	49	27	IMS Engineering College, Ghaziabad, India
Assessment of Cardiac heart failure and cardiac artery disease by the higher order spectra. Bio-Medical Engineerin	Ram Sewak Singh	World Scientific Journal, DOI: 10.4015/S1016237218500163 Volume No.30, Issue No.1, Page -18500161-9	2018	20	3	Department of Electronics and Communication Engineering, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar,

g: Applications, Basis and Communication.						India
Time varying Coherence analysis between cardiac vascular signals in healthy and elderly subject using adaptive continuous Morlet wavelet transform.	Ram Sewak Singh	Vol. 39, Issue 1, IRBM, Elsevier, DOI: 10.1016/j.irbm.2017.12.004	2018	26	12	Department of Electronics and Communication Engineering, IMS Engineering College, Ghaziabad, India
DTMF based Intelligent farming robotic vehicle.	Manish Zadoo	International Research Journal of Engineering Technology, Vol. 5 Issue 03, Page No:186-189/March-2018	2018	2	0	IMS Engineering College, Ghaziabad, India
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	66	0	0
Presented papers	11	6	0	0
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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp held on 14.03.2018	Lions Club Ghaziabad	2	238
Education for Underprivileged	NGO - Wings of Hope	2	70

Kids

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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp held on 14.03.2018	Lions Club Ghaziabad	Blood Donation Camp	2	238
Education for Underprivileged Kids	NGO - Wings of Hope	Education for Underprivileged Kids	2	70
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
International Research Internship	6	College Self	60
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Project based	Project Internship	Trinity Mobile Apps Pvt. Ltd.	22/01/2018	31/08/2018	30
Industrial Automation Training	ABB Industrial Automation Centre (PLC/SCADA)	"Rhythm Automation Control Pvt. Ltd" a channel partner of ABB	01/06/2018	31/08/2018	33
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
SAP	06/09/2017	SAP University Alliance Academic Educational Material Utilization contract for teaching purposes	41
Centum Foundadtion	17/04/2018	Summer internship in 2018	115
Rhythm Automation Learning Centre	12/01/2018	Training	58
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
75	44.55

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar Halls	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
No file uploaded.	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
VIDYA Lib Management Software	Fully	2.02	2012

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	75437	26402953	1299	526378	76736	26929331
Reference Books	5297	1853950	40	23472	5337	1877422
Journals	91	223875	0	0	91	223875

e-Journals	3	645114	0	0	3	645114
Digital Database	3	645114	0	0	3	645114
Weeding (hard & soft)	782	207411	97	56645	879	264056
Library Automation	1	62400	0	0	1	62400

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
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No Data Entered/Not Applicable !!!

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1020	15	200	3	1	174	18	200	0
Added	0	0	0	0	0	0	0	0	0
Total	1020	15	200	3	1	174	18	200	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

200 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
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No Data Entered/Not Applicable !!!

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
5.91	6.27	318.25	333.94

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The college has well organized physical and academic support facilities. Mentioned below are procedures and policies for maintaining and utilizing physical, academic and support facilities: Laboratory: - Do's and Don'ts and

Safety rules displayed in each laboratory. - Daily maintenance of cleanliness in each lab. - Calibration of equipment done internally/externally as applicable. - List of vendors for servicing of non-functioning instruments. - Fixation of electricity or light-related issues whenever required. - Separate racks for chemicals, glass wares and plastic wares. - Periodic revival and maintenance of microbial cultures. - Logbook for major equipments and Issues Register maintained in labs. - Record of Stock non-consumables, consumables and breakage maintained. - Proper handling of hazardous waste through GLPs like neutralization, dilution, treatments for potential carcinogens (e.g. Et Br). - Sharps and liquid waste handled with adequate care. Library: - Our library has a rich collection of books covering all major fields of Science and Engineering. - The library is fully computerized by automating the issue of books with bar code reader. - The library is fully air-conditioned. - The library has various facilities like Conferencing, Multimedia, Internet, Reprography and CD-ROM collection. - A book bank for deserving candidates is also maintained. - The college subscribes to most of the major technical journals including IEEE, IEE, ASCE, ACM, ASTM, J-GATE, MCGRAW HILL, Willey Blackwell and Science Director. - Multimedia computers with internet connectivity available for accessing CBT, CDs, e-books, e-journals etc. - Students can access library facility on working days and holidays. Sports Complex: - The college has well maintained sports facilities in the campus like Gyms, indoor games facilities, outdoor games facilities etc. - Separate Gyms for boys and girls - Gyms are well equipped with latest equipments - Indoor games facilities include Table Tennis, Badminton, carom board - Outdoor games facilities include Cricket, Football, Volleyball, Basketball etc. - Indoor and outdoor sports complex are equipped with lights. - Well trained Sports Officer to look after sports facilities and activities of students - Gym trainer and students do exercises under guidance of the trainer like Do's and Don'ts, how to do and what to do etc. Computers: - The college has well equipped computer labs. - The computer and student ratio is 1:1. - 03 browsing centres (01 in boys hostel, 01 in girls hostel and 01 in central library). - Fully managed and complete campus with Wi-Fi network. - The college has internet gateway fully managed through Fortinate Gateway Security. - All faculty and staff cabins are equipped with laptops/computers. - All the computers are connected with high speed internet for faculty, staff. - Complete gigabyte network connected with managed network equipments. - All computer/labs maintained by well trained and qualified computer technical team. Classrooms: - Classrooms are spacious, ventilated with sufficient sunlight. - Classrooms have well organized good quality furniture/seating facility. - Classrooms are fitted with air-conditioners. - Most of classrooms are equipped with projectors. - Classrooms are Wi-Fi enabled. - Eco-friendly Solar Power used for lighting of classrooms

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	50 concession in tuition fee to the children on employees of IMS Group	1	51960
Financial Support from Other Sources			
a) National	U.P. Government	952	57454178

	Scholarships and PMSSS from AICTE		
b)International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft Skill Training	16/08/2017	845	M/s. Sammunati Learning Solutions
Aptitude Training	16/08/2017	832	M/s. Aptitude Ladder M/s. Zenith Consultants
Yoga Practice	01/08/2017	150	Internal Activity
Meditation Practice	01/08/2017	150	Internal Activity
Personal Counseling Mentoring	01/08/2017	3094	Internal Activity
Industrial Automation Training (PLC/SCADA)	04/06/2018	33	"Rhythm Automation Control Pvt. Ltd" a channel partner of ABB
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Placement Activity	884	781	35	614
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
List attached	781	595	List attached	726	77

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	B.Tech Biotechnology	BT Department	Offenburg University, Germany	MS Biotechnology
2018	1	B.Tech Biotechnology	BT Department	IIT Guwahati	M.Tech Biotechnology
2018	1	B.Tech Electrical and Electronics Engineering	EN Department	Jamia Millia Islamia University, New Delhi	M.Tech
2018	1	B.Tech Electrical and Electronics Engineering	EN Department	NIT Meghalay	M.Tech
2018	1	B.Tech Electrical and Electronics Engineering	EN Department	San Jose State university, US	MS
2018	1	B.Tech Electronics and Communication Engineering	EC Department	IIT (BHU), Varanasi	M.Tech
2018	1	B.Tech Electronics and Communication Engineering	EC Department	Macquarie University. Sydney	Master of Science

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	26
GMAT	1

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
"TECHNOVATION-2017" – Annual Technical Fest of IMSEC was organized on 6th 7th October, 2017	College Level	500

Cricket Tournament Nov-2017	College Level	80
Inter College Sports 26-28 Feb 2018	College Level	380
VIBGYOR 2K18 - Annual Cultural Fest on 23rd 24th March, 2018	Inter-College Cultural Fest	481
Independence Day of India Celebration on 15th August, 2017	College Level	300
Teachers Day Celebration on 5th September, 2017	College Level	200
Republic Day of India Celebration on 26th January, 2018	College Level	280
Alumni Meet 'Remembrance 2k18' on 3rd March, 2018	College Level	66
CSE Farewell on 21st April, 2018	Department Level	461
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2017	2nd Prize won BY Basket Ball Teams (Boys) in All India Sports Meet organized by AIIMS, New Delhi 19th - 21st September, 2017	National	1	0	1614340116, 1614313041, 1614313045, 1714310011, 1714300011, 1714321047	Mr. Prakhar Ranjan, Mr. Chandan kumar, Mr. Vishal Kumar, Mr. Sarvesh Patel, Mr. Vibhav Kumar, Mr. Adarsh Yadav,
2017	1st Prize in Basket Ball in All India Sports Fest "Chakravyuh", at IMSEC on 13-15 October, 2017	National	1	0	1614340116, 1614313041, 1614313045, 1714310011, 1714300011, 1714321047	Mr. Prakhar Ranjan, Mr. Chandan kumar, Mr. Vishal Kumar, Mr. Sarvesh Patel, Mr. Vibhav

Kumar, Mr.
Adarsh
Yadav,

2017	1st Prize in Tug of War in All India Sports Fest "Chak ravyuh", at IMSEC on 13-15 October, 2017	National	1	0	1614300013 , 14143210 39, 141432 1072, 1514 310149, 15 14340150, 1614313035	Avneesh Singh Himanshu Shishodia, Pushpendra Singh, Praveen Tyagi, Shreyansh Singh, Virendra Kashyap
2017	1st Prize in Shotput (Boys) in All India Sports Fest "Chak ravyuh", at IMSEC on 13-15 October, 2017	National	1	0	1614321040	Mohd Humza
2017	1st Prize in Chess, in All India Sports Fest "Chak ravyuh", at IMSEC on 13-15 October, 2017	National	1	0	1714321115	Arti Singh
2017	1st Prize in Carrom, (Boys) in All India Sports Fest "Chak ravyuh", at IMSEC on 13-15 October, 2017	National	1	0	1814340025	Piyush
2018	1st Prize in Badminton (Doubles) in LAKSHYA -2018, organized by ABES En	National	1	0	1714321009 , 1714310012	Alok Baghal, Himanshu Chauhan

gineering College, Ghaziabad on 8th & 9th February, 2018					
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Activity of Student Council representation of students on academic administrative bodies/committees of the institution: Academic Representation: The College has several student led councils (societies) like Byte Club, Code Raider Club, T-Code Club, Abhigyan, IMS Code Force (CSE Department) INFOCORP (IT Department) GEMS (Biotechnology Department) ENVINCIBLEs (EN Department) Mech-Edge Club and SAE INDIA Collegiate (ME Department) FACES Club (EC Department) HR Club, Marketing Club Finance Club (MBA Department). SRIJAN - a club for students of all branches. These student councils represent student group of that department through which the students take part and organize different types of activities in the college. BYTE society of the CSE Department is engaged in publication of a monthly e-magazine of the department namely "BYTE" and also organizes various events of the department. Code Raider Club organizes programming events for students. T-Code Club organizes web events for the students. IMS Code Force Club organizes competitive events for the students. In this magazine students publishes various articles written by them and is circulated amongst students community which subsequently help them to upgrade their knowledge and skills and make them aware of the latest developments in their fields. Code Raider Club organizes different Coding events for students which provide them opportunity to show their talents. INFOCORP organizes various events for the students of IT Department. GEMS is a Society of Biotechnology department students. It organizes different types of events for students like quizzes, paper presentation, lecture, plantation etc. ENVINCIBLEs organizes different technical and cultural events of EN Department. Mech-Edge club of ME Department organizes different technical and cultural activities of the department where SAE INDIA Collegiate club is engage in preparation/development of BAJA Vehicles and taking part in the different events being organized at national/regional levels. Besides departmental activities, students also participate in organizing different big events of college like Cultural Fest, Tech Fest, Sports Fests etc. They participate in organizing committee, volunteers etc. Students Class Representatives are also an important students representation in academic activities of the college. They have their periodical meetings with Head of the Department and Director. Academic feedback is taken through them and they also represent problems of their class, if any, and various decisions are taken based on their feedback for their improvement. Administrative Representation: Students also have their representation in some administrative activities like Students Mess Committee in hostels. There are separate students committees for Boys and Girls hostels. Students have good representation in the Mess Committees. They take part in deciding menu of their mess. Through this the students can discuss their hostel problems, if any, related to mess, hostel, food, cleanliness etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

2340

5.4.3 – Alumni contribution during the year (in Rupees) :

No Data Entered/Not Applicable !!!

5.4.4 – Meetings/activities organized by Alumni Association :

The Alumni Meet 'Remembrance 2k18' was organized on 3rd March, 2018.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Vision Our vision is to impart vibrant, innovative and global education to make IMS the world leader in terms of excellence of education, research and to serve the nation in the 21st century. Mission • To develop IMSEC as a centre of excellence in Technical and Management education. • To inculcate in its students the qualities of Leadership, Professionalism, Executive competence and corporate understanding. • To imbibe and enhance Human Values, Ethics and Morals in our students. • To transform students into Globally Competitive professionals. The College has a well-marked administrative and academic set-up conforming to the norms of the AICTE and University for smooth functioning of college. 1. Administrative Set-up: Management The IMS Engineering College is managed under IMS Society. The society has its Governing/Executive Council which takes care of the proper functioning of all its three campuses. The Council primarily takes care of strategic issues and provides advice on policy and contributes to the college-wide planning process. Director The Director is the Head of the Institute and looks after all the administrative and academic activities. He is responsible for academic planning, its implementation and streamlining of the academic processes. The Director ensures that regular day-to-day operations are properly conducted through various monitoring mechanisms. Registrar The Registrar works under guidance of the Director and looks after the proper execution of academic and administrative matter like enrolment of students, maintaining student records, keeping permanent record of marks and other university related works. 2. Academic Set-up: Deans/Heads of Department Academic Dean is the highest ranking academic official in the institution, next to the Director. The Dean provides strategic direction, academic planning, leadership and administrative oversight to achieve the highest standards in engineering. HODs manage and develop the department to ensure the achievement of the highest possible standards of excellence in all its activities. They are supported by faculty and staff members. Heads of Department exercise leadership demonstrate vision and empower others in order to deliver the agreed departmental strategy required for achieving the desired goals.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	A major part of admission i.e. 85 of approved intake comes through University Counselling i.e. Uttar Pradesh State Entrance Examination

conducted by Dr. A.P.J. Abdul Kalam Technical University. Only 15 admission can be taken under Management/Direct admission quota. To improve the quality of students' intake, the college makes a wide advertisement campaign all over the state so that good quality students can be selected. The college tries to follow appropriate marks criteria for Direct Admission. They also have to go through a general test and viva process for admission and suitable stream/branch is allotted based on their choice and ability.

Industry Interaction / Collaboration

Industry interaction is an important part of academic activities and knowledge enhancement of students. Besides classroom learning, many experts from reputed industries are invited to deliver expert/guest lectures, seminars, workshops and to interact with our students/faculty. They share their expertise in the field with students, give them important tips for selection, guide them to choose their career etc. Students are sent for industrial visits from time-to-time to make them aware of industry processes, operation management and working environment which certainly provide them a lot to learn. Collaborations are done with industry for research and development training of students.

Human Resource Management

IMSEC has a well managed separate Human Resource Department. It maintains all the personal records of faculty and staff members. Appropriate leaves like Earned Leave/Vacation, Medical Leave, Casual Leave etc. are provided to the faculty and staff members. They are also provided Outdoor Leave for taking part in Quality Improvement Programmes, Short-Term Courses, Faculty Development Programmes, Seminars, Conferences etc. Appropriate reimbursement is given to the faculty and staff sponsored for such programmes. Appropriate opportunity is provided to faculty to enhance their qualification and Study Leave is provided for the same.

Library, ICT and Physical Infrastructure / Instrumentation

The college have a fully computerized automated issue of books with bar code reader. It's fully air-conditioned library providing comfortable reading zone to its readers. It has various facilities of Conferencing, Multimedia, Internet, Reprography and CD-ROM

collection. A book bank for deserving candidates is also available. The college subscribes most of the major technical journals including IEEE, IEE, ASCE, ACM, ASTM, J-GATE, MCGRAW HILL, Willey Blackwell and Science Direct journals. Multimedia computers with internet connectivity are available for accessing CBT, CDs, e-books, e-journals. Library facility is available in working hours as well as on holidays as per requirement.

Research and Development

Faculty and students are encouraged for research work. They are encouraged to write and publish research papers and articles in the journals of national and international repute and present and publish papers in the Seminars, Conferences of repute. They are sent to attend Workshops, Seminars, Conferences to enhance their knowledge and update themselves with latest developments in their fields. A rich library having a good number of titles, journals, e-journals etc. is available in the college to refresh their knowledge and new developments. Our library also has a well equipped multi-media facility to access e-journals and online journals etc.

Examination and Evaluation

Internal examinations, class tests are conducted as per plan in a pre-defined way. University standard is followed in preparing the question papers of the internal examinations and class tests. The standard of the question papers is checked by HOD concerned and Dean (Academic). Conduct of the examinations is supervised by departmental Heads and Dean (Academic). Internal practical examinations are also conducted. Quality assignments are given to the students. A fair evaluation and marking is done to maintain the standard.

Teaching and Learning

Quality planning is done and implemented in teaching-learning process. Subjects are allotted to faculty based on their expertise and subject choices given to them which improves class delivery. A well defined academic calendar is prepared for each semester before the semester starts. Director, Dean (Academic), HODs pay proper attention to ensure the smooth conduct of academic activities. Meetings with departmental Heads are held to discuss and finalize action

	<p>plan for coming semester. Monthly departmental meetings are held to monitor and evaluate the progress. Course files are prepared in a pre-defined format. Value addition programs are planned for coming semester.</p>
Curriculum Development	<p>As this college is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, the Curriculum is defined and prescribed by university.</p> <p>The College has to adhere to the syllabus of the university. However, to enhance and update knowledge and employability of students, the college makes efforts to provide various value added courses to students. We provide Soft Skill to enhance communication skill of students. To enhance their employability, Aptitude Training classes are conducted. Mock interviews are conducted for final year students. For this, college also hires outside agencies for training. Various competitive events, quizzes, presentations are also conducted from time-to-time.</p>

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Student Admission and Support	<p>Students' selection and admission process is carried electronically. Students' record is also maintained and internally distributed electronically through institute ERP System. Students' attendance and academic progress are maintained and made available to the students and their parents online through institute portal. Students' feedback is taken online.</p>
Examination	<p>We do maintain ERP server in the institute and also communicate to the affiliated university server on day-to-day basis like attendance of the students, sessional examination marks of the students etc.</p>
Planning and Development	<p>Call for meetings and minutes of the meetings are communicated electronically. Important data related to development is maintained electronically and retrieve as per need and necessity.</p>
Administration	<p>Most of the administrative works of the institute are being carried out online instead of paper work. The instituted maintains its own internal servers for data maintenance and communication. E-</p>

mail service is used for internal and external communication. All the computers are having internet facility.

Finance and Accounts

Our Finance and Accounts department is supported by latest accounting software. Electronic transactions are also done. Students fees is also accepted and remittance through electronic transactions.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2017	5-day Faculty Development Programme on "Advancements in Materials and Manufacturing"	----	24/07/2017	28/07/2017	29	0
2018	5-Day Faculty Development Programme on Geo Informatics	----	11/06/2018	15/06/2018	32	0
2018	Seminar on "Recent Advances on Computer Vision And Image Processing"	-----	28/06/2018	28/06/2018	24	0
2018	2-Day National Workshop	-----	24/01/2018	25/01/2018	23	0

	on "Research Project De velopment Using Machine Learning T echniques"					
2018	Expert Lecture on "Robotics 2 Rural: Innovative teaching and research approach"	-----	07/02/2018	07/02/2018	7	0
2018	15-Days CNC Training	15-Days CNC Training	17/05/2018	01/06/2018	2	3
2018	Expert Lecture on "Practical Applicatio n of Quality Quality Tools	----	13/02/2018	13/02/2018	14	0
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
5-days Industrial Training Program on "Digital Signal Processing and Xilinx FPGA Design flow"	1	11/06/2018	15/06/2018	5
5-days training program on "Mobile Broadband Quality of Service (QoS)"	1	01/05/2018	05/05/2018	5
FDP on "Android App Development	2	15/03/2018	19/12/2018	5
FDP on AI, Analytics, BI	1	09/01/2018	09/01/2018	1

One-Day FDP on Out-of-Box Thinking and Breakthrough Implementation	1	27/01/2018	27/01/2018	1
One Week short term course on "Control Strategies for Power Quality Improvement"	1	12/01/2018	16/01/2018	5
FDP on "Cyber Crime Security"	1	11/12/2017	12/12/2017	2
One-week short term course on "FACTS in Renewable Energy Systems"	1	29/12/2017	02/01/2018	5
One-week short term course on "Advances in Modelling Control of Renewable Energy Systems (AMCRES-2017)"	2	11/12/2017	16/12/2017	6
5-day Faculty Development Programme on "Advancements in Materials and Manufacturing"	29	24/07/2017	28/07/2017	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
18	18	6	6

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. The college provides a Medical Insurance facility of 3 lacs per year to Professors/Associate Professors and 2 lacs per year to Assistant Professors and their family without any charge from them. 2. The college provides lunch facility	1. The college provides a Medical Insurance facility of 2 lacs per year to Staff and their family (excluding employees covered under ESI scheme) without any charge from them. 2. The college provides lunch facility to staff at a very nominal charge. 3.	1. The college provides a Medical Insurance facility of 2 lacs per year for students with a nominal charge. 2. The college provides financial support to students going abroad for international Summer Research Internship. 3. Doctor's facility in the

to faculty at a very nominal charge. 3. The college provides 50 concession in tuition fees to their children studying in IMSEC.

The college provides 50 concession in tuition fees for their children studying in IMSEC.

campus. 4. Ambulance facility in the campus. 5. Facilitates financial support to students through College Help Portal.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institute maintains its financial accounts i.e. earning, day-to-day expenses etc. properly. To maintain its financial accounts in an organized way, the institute has appointed internal auditor. The Internal Auditor audits the day-to-day expenses etc. regularly on monthly or quarterly basis. The institute also has external audit system. It prepares its yearly balance-sheet which is audited by external auditor. The final balance-sheet is also uploaded on college website.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
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6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NBA	Yes	HODs
Administrative	Yes	NBA	Yes	Internal Auditors

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. The College provides access to the parents for academic monitoring of their wards. 2. In extreme cases, where remedial action is required, letters are sent to the parents regarding the performance of their wards. 3. Remedial/corrective action in consultation and personal discussion with parents. 4. Parents are informed about the departure/leave of their wards from hostel.

6.5.3 – Development programmes for support staff (at least three)

1. Sensitizing support staff about their health. 2. Training to Technical Assistants. 3. General awareness programmes. 4. Good Laboratory practices.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. B.Tech (CSE) B.Tech (ME) programmes got NBA Accreditation for 3 years. 2. Emphasis on live innovative projects led to the led to the development of innovative culture. The projects showcased got recognized at different levels. 3. Established Centres of Excellence like - PLC and SCADA by ABB - Embedded System by Texas Instruments. - Incubation Centre of MSME, Govt. of India. 4. Implementation of ERP for academic and administrative purpose. 5. The institute

consistently ranked amongst Top Engineering Colleges of the country by different ranking agencies.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2017	Encouraging faculty and students undergone NPTEL/online courses.	01/07/2018	01/07/2017	30/06/2018	98
2017	Emphasis on innovative live projects	06/10/2017	06/10/2017	07/10/2017	500
2018	Participation in NIRF	15/12/2018	15/11/2018	15/12/2018	3300
2018	Times of India Engineering Colleges Ranking	28/03/2018	28/03/2018	25/05/2018	3300
2018	CSR-GHRDC Engineering Colleges Ranking	15/01/2018	15/01/2018	30/06/2018	3300
2018	NBA Visit for B.Tech Biototechnology Programme	03/11/2018	03/11/2018	04/11/2018	210

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Heads of Department	01/07/2017	30/06/2018	3	6
Faculty	01/07/2017	30/06/2018	69	146
Students	01/08/2017	30/06/2018	676	2418

Students went for International Research Internship	05/06/2017	31/07/2017	2	4
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7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
The College has Solar Power capacity of 184 KV. We have replaced our institutes lights from CFL to LED lights.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	No	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	0
Any other similar facility	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2017	1	1	01/08/2017	210	Education drive for under-privileged children	Education and Personality Development	72
2017	1	1	01/07/2017	365	Ambient Air Quality Monitoring at two places in Hapur City	Ambient Air Quality Monitoring	5
2017	1	1	15/08/2017	1	Nukkad Natak in RDC Rajnagar	Health Awareness	15

2018	1	1	22/03/2018	1	Skit on Child Labour	Awareness about Child Labour	40
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
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No Data Entered/Not Applicable !!!

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Blood Donation Camp	14/03/2018	14/03/2018	258
Educational drive for under-privileged children	01/08/2017	30/04/2018	70
Independence Day Celebration	15/08/2017	15/08/2017	300
Teachers Day Celebration	05/09/2017	05/09/2017	200

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

The college is well aware and has taken initiatives to make the campus eco-friendly. Following initiatives have been taken by the college: 1. The college has installed solar power energy plant. 2. The college has planted sufficient numbers of plants to maintain good greenery in the campus. 3. The college has Rain Water Harvesting system in the campus. 4. The college has Sewer Treatment Plant in the campus. 5. The college make full re-use of treated water.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

No Data Entered/Not Applicable !!!

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

IMS Engineering College is one of the premier technical institutes in India. It was established in with an objective of creating a pool of trained and world class technocrats to contribute towards the economic and social development of the country. The aim of the institute is to provide high quality technical knowledge and skills that addresses the changing needs of industries. The college has a sprawling campus and is meticulously planned in a number of functional building blocks separated by lush green lawns. IMSEC has an excellent and state-of-the-art infrastructure with the following salient features: • Well stocked and fully computerized library consisting of books, e-journals, e-books and informative magazines which is one of the best libraries established by private colleges in NCR region. • A digital language lab for enhancing students' communication skills in the right perspective. • IMSEC campus, situated at NH-24, main highway road, is conveniently connected to all destination in Delhi-NCR. • To keep students physically and mentally fit,

campus facilitates with Indoor Sports like table tennis, chess, carom and many more are available for students' recreation and Outdoor Sports like lush green well maintained spacious play ground for playing cricket, football, basketball, volleyball, badminton etc. • The entire campus is CCTV secured. • Separate boys and girls hostel facility. • ATM booth. One of our students got 1st Rank and Gold Medal (Electrical Electronics Engineering Branch) in University Toppers of B.Tech-Final Year for the session 2017-18. The college sends and supports to its students for International Research Internship to University of Louisville, USA. The institute has a good track record in placement of its students. The students of IMSEC are proving themselves at National level in the field of technical innovations and knowledge by winning several National level competitions and awards. IMSEC got NBA accreditation for its B.Tech (Biotechnology) Programme. IMSEC is raising its Academic standard by strengthening teaching-learning process. IMSEC achieved 8th Rank based on the performance in B.Tech-1st year and 14th Rank based on performance in B.Tech-final in Dr. A.P.J. Abdul Kalam Technical University, Lucknow (affiliated University) VIBGYOR - Cumulative Performance Ranking of Institutes for the Session 2016-17 and 28th and 27th Rank for MBA-1st year and Final year respectively among all the institutions of Uttar Pradesh affiliated to the University.

Provide the weblink of the institution

8.Future Plans of Actions for Next Academic Year

In the line of future plan for the next academic year, the College plans to focus on NBA accreditation. At present, we have NBA accredited B.Tech (Computer Science Engineering) B.Tech (Mechanical Engineering) Programmes. The college is planning to apply for some other branches also including Biotechnology for which have already applied. Our efforts will be to get some more branches accredited. The college will also focus on technological innovations and management skills. Efforts will be on bringing more experts from the industry/academia to facilitate more updates and enhancement of knowledge of students and faculty. We encourage our faculty for doing Ph.D and will try to induct more faculty with good research background. Efforts will be to conduct more national and international Workshops/Seminars/Conferences. Efforts will also be made to focus more on research and industry outreach. Students will be encouraged to develop live innovative projects and to showcase these projects at national/international level.