



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

363, Arcot road, Kodambakkam, Chennai-600024.

(Managed by IIET Society, Approved by AICTE, Affiliated to Anna University)

Accredited by
National Board of Accreditation
for programs applied

Criteria 6 **Governance, Leadership and Management**

PREPARED FOR

THE
NATIONAL
ASSESSMENT AND
ACCREDITATION
COUNCIL



WEB LINK:

6





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email Id: principal@msec.edu.in
Website : www.msec.edu.in

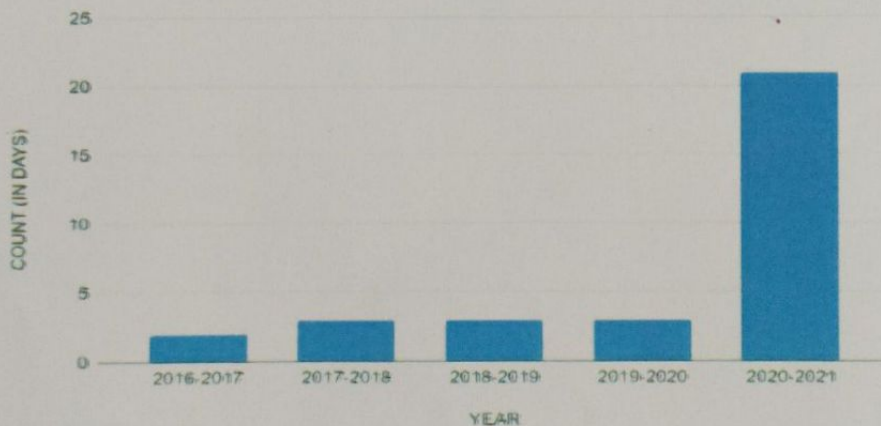
INCREMENTAL IMPROVEMENTS ACADEMIC EXCELLENCE MONITORING

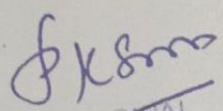
IQAC works on improving the teaching learning process and supports in all programs of institute gradually. IQAC has also contributed towards institutionalizing the quality assurance strategies and developed various processes.

STUDENTS INDUCTION PROGRAM:

Student induction program is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members and expose them to a sense of larger purpose and self-exploration.

STUDENT INDUCTION PROGRAM

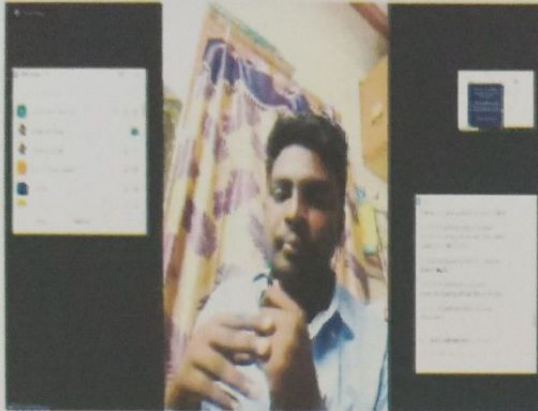



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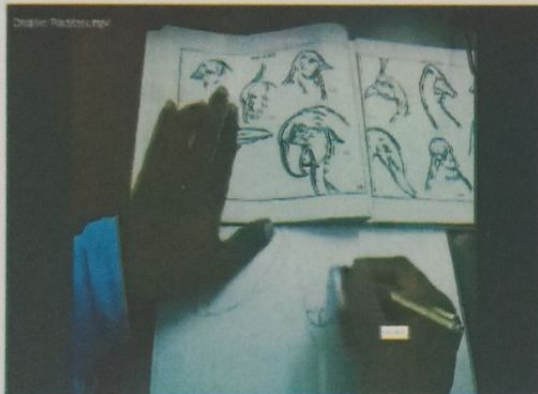
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Kishore,CEO, Missile Ingeniator 10/11/2020-
18/11/2020



Creative Practices
17/11/2020



Drawing 17/11/2020



Swami brahmananda.swami
abhedananda From Ramakrishna
math,Chennai. 10/11/2020
18/11/2020

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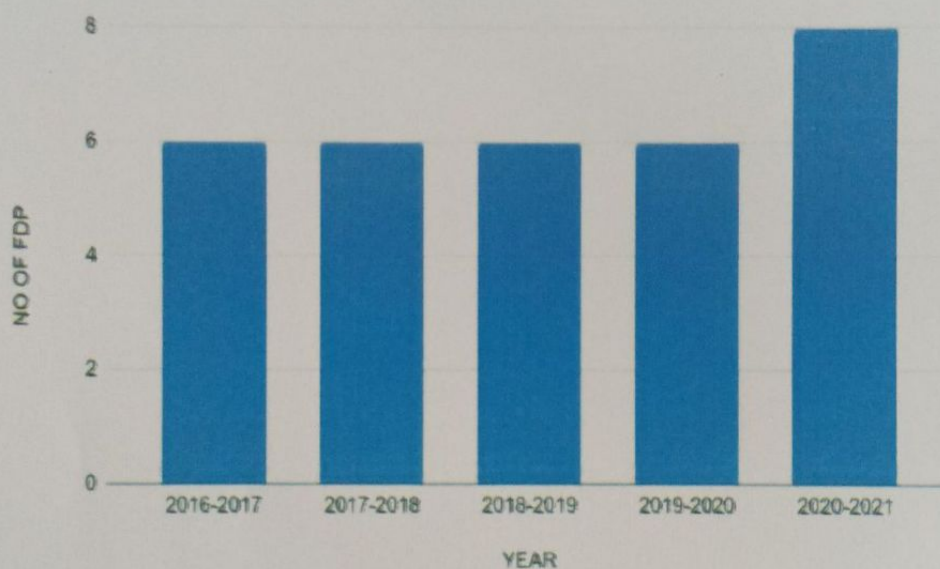
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FACULTY DEVELOPMENT PROGRAM:

FDP promotes the executive practices relevant to technical education and also motivates the faculty to achieve competitive teaching and learning environment, thus channelizing the development with respect to academic qualification and personal matters.

FACULTY DEVELOPMENT PROGRAM



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Development of E-content by Dr.G.Janardhanan on
16/12/2019



Margadharshan scheme by Dr.Prasanna kumari,
REC ,Chennai.

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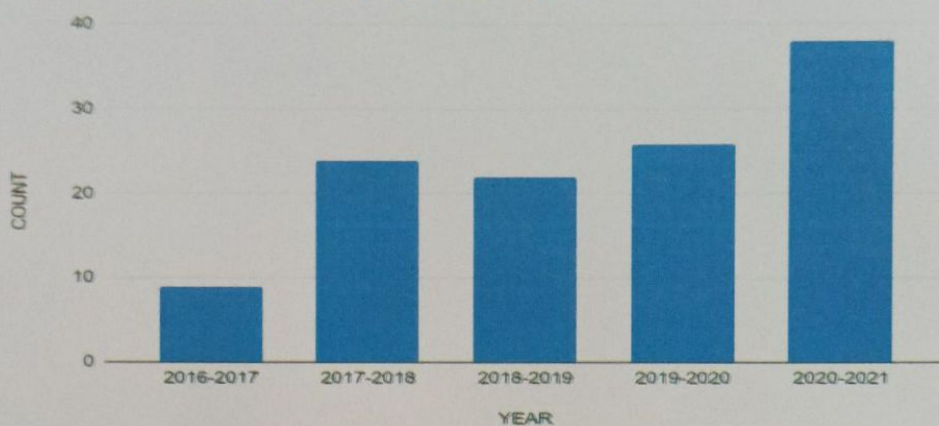
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PROFESSIONAL SOCIETY ACTIVITIES:

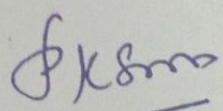
Thus the influence flows from their continuing and highly visible functions to develop professional excellence.

PROFESSIONAL SOCIETY ACTIVITIES



E cube is a technical event that is being conducted by our college every year

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INNOVATIVE TEACHING:

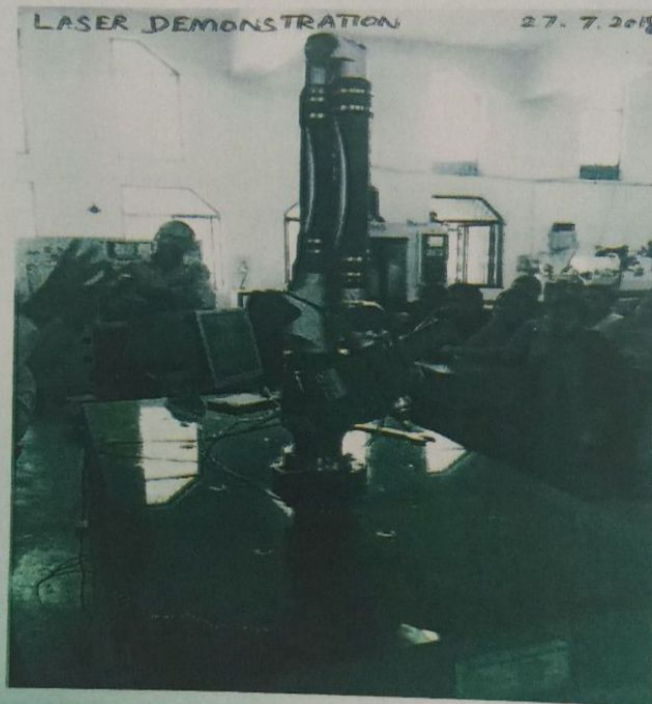
Meenakshi Sundararajan Engineering College, Kodambakkam

Department of Electronics & Communication Engineering

Report on Laser Measurement Demonstration

As part of the curriculum, Final year ECE students are studying Laser Measurements and its Application in Opto Electronic Devices . To make the students better understanding, they have taken to the Mechanical Engineering department on 27.7.2018 for the demonstration of Laser Measurement by Far co-ordinate system.

The basics of measurement of machine parts are explained by Mr.M. R. Seshadri, Professor of emeritus Mechanical Engg. The software and the measurement is demonstrated by Mr. Ayyanar , Assistar Professor, Dept. Mechanical Engg. The students are also measured the dimensions of the sample machine part.



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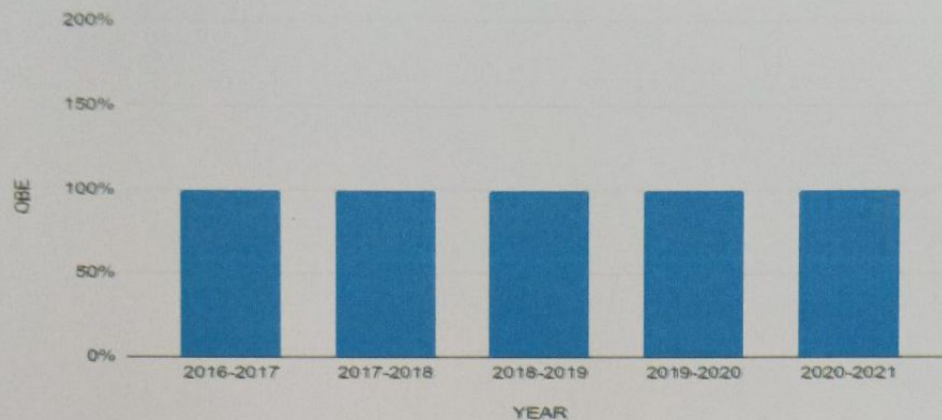


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EXAM CELL:

EXAM CELL



INDUSTRY INTERACTION:

INDUSTRY INTERACTIONS

INDUSTRIAL INTERACTIONS	COMPANIES
INDUSTRIAL VISIT	BSNL,ISRO,NLC,NORTH CHENNAI THERMAL POWERPLANT,RAINI INDUSTRIES,SIECHEM TECH.,HYUNDAI
PROJECT	USM,NLTVC,MMU,ISRO,DRDO,ONGC, HVF,CHENNAI PORT,ERICSSON, CORNET Tech., ELICO, ASHOK LEYLAND, FLEXTRONICS, VI MICRO SYSTEMS, Notion Ink Design Labs, ICF, BEL,SOUTHERN RAILWAYS,BHEL,NIOT, BSNL,SAMEER,CSIR,IIT-M,NIELIT, ELICO,VI MICRO SYSTEMS

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INTERNSHIPS / INPLANT TRAININGS:

MOU between MSEC and Scigenics Biotech Pvt. Ltd.	MSEC Scigenics Biotech Pvt. Ltd.
<p>MEMORANDUM OF UNDERSTANDING</p> <p>BETWEEN</p> <p>MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE CHENNAI</p> <p>AND</p> <p>SCIGENICS BIOTECH PVT LTD</p> <p>10/06/2011</p>	<p>Scigenics Biotech will be displayed in banners or along with logos of MSEC College technical events, in the MSEC premises, at all times.</p> <p>The fact of this MOU with Scigenics Biotech and the contribution of Scigenics Biotech to MSEC through this MOU may be mentioned in events of MSEC.</p> <p>Scigenics Biotech Pvt Ltd. and MSEC staff shall meet at regular intervals convenient to both parties, either in person or on-line to review implementation of this agreement to address special problems, to coordinate schedules, for evaluation and assessment, to establish policy directives.</p> <p>Scigenics Biotech Pvt Ltd. and MSEC will maintain documentation of services provided and other statistical and financial information as needed for accountability and analysis purpose.</p> <p>Both parties to this Memorandum agree to develop common reporting instruments, whenever possible. In any event they intend to confer on the development of formats of other elements of their respective Systems.</p> <p>Both parties shall safeguard the use of and access of information to which the services provided or arranging for services shall not use or release any reports, data or other information in accordance with the rules and regulations of Scigenics Biotech Pvt Ltd. and MSEC. Such information shall be used only to assure proper planning, coordination, monitoring and administration of performance under this agreement, and permit the transfer of records to another, for the purpose of continuing services, with appropriate approval from the authority concerned.</p> <p>Service audit and program review functions shall be performed jointly, when appropriate. Both parties mutually agree not to use the name of the other party in any public information without permission of the concerned party.</p> <p>Review of this memorandum shall be made on or before 3 months before expiry at which time this agreement may be extended, modified or terminated.</p> <p>Scigenics Biotech Pvt Ltd. and MSEC hereby agree to all of the above and enter into a joint agreement until such time that either party shall amend or review said agreement in writing.</p> <p>This memorandum of understanding (MOU) is made on this 10th day of June 2011, at Chennai.</p> <p>For SCIGENICS BIOTECH PVT. LTD. Signed: _____ For Company: DIRECTOR</p> <p>In witness thereof Signed: _____</p> <p>Signed: _____ for College</p> <p>In witness thereof Signed: _____</p>

[Signature]

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the Scigenics Biotech will be displayed in banners or along with logos of MSEC College
technical events, in the MSEC premises at all times.
The fact of this MOU with Scigenics Biotech and the contribution of Scigenics Biotech to
MSEC through this MOU may be mentioned in events of MSEC.
Scigenics Biotech Pvt Ltd and MSEC staff shall meet at regular intervals convenient to both
parties either in person or on-line to review implementation of this agreement to address
special problems, to coordinate schedules, for evaluation and assessment, to establish policy
directives.

Scigenics Biotech Pvt Ltd and MSEC will maintain documentation of services provided and
other statistical and financial information as needed for accountability and analysis purpose.
Both parties to this Memorandum agree to develop common reporting instruments, wherever
possible. In any event they intend to confer on the development of formats of other elements of
their respective Systems.

Both parties shall safeguard the use of and access of information to which the services
provided or arranging for services shall not use or release any reports, data or other
information in accordance with the rules and regulations of Scigenics Biotech Pvt Ltd and
MSEC. Such information shall be used only to assure proper planning, coordination,
monitoring and administration of performance under this agreement, and permit the transfer of
records to another, for the purpose of continuing services, with appropriate approval from the
authority concerned.

Service audit and program review functions shall be performed jointly when appropriate. Both
parties mutually agree not to use the name of the other party in any public information without
permission of the concerned party.

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The memorandum of understanding (MOU) is made on this 10th day of June 2011, at
Chennai.

For SCIGENICS BIOTECH PVT. LTD.

Signed

For Company

DIRECTOR

In witness thereof

Signed

Signed

for College

In witness thereof

Signed

[Signature]

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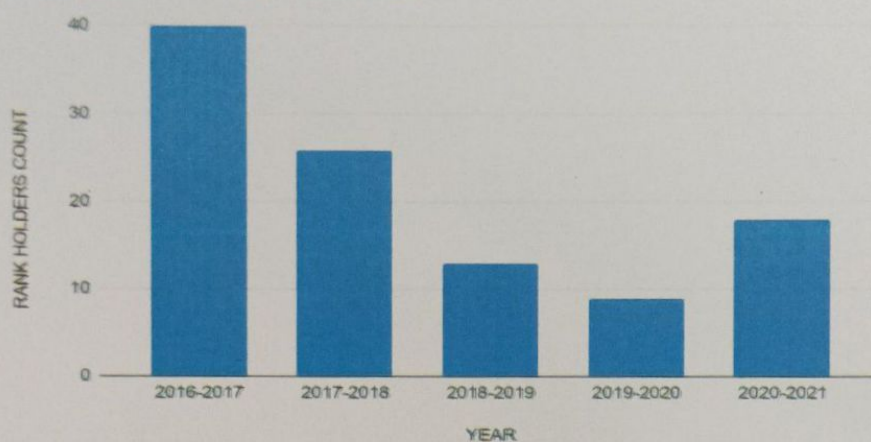


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ACHIEVE EXCELLENCE PROGRAM:

UNIVERSITY RANK HOLDERS



Research And Development In Embedded Systems And Vlsi By Kishore Kumaran,Ceo, Missile Ingeniator On 11/12/2019

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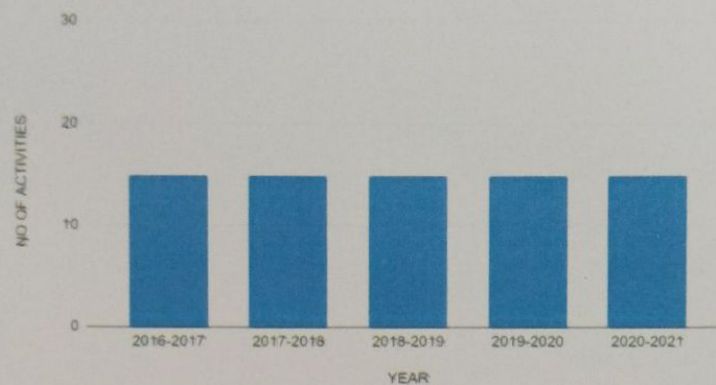


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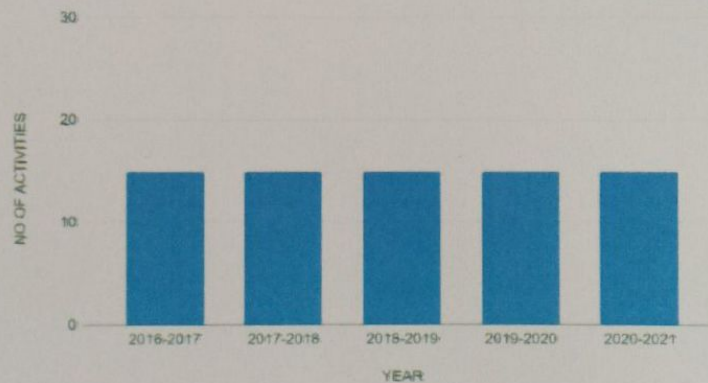
NSS ACTIVITIES:

NSS ACTIVITIES



YRC ACTIVITIES:

YRC ACTIVITIES

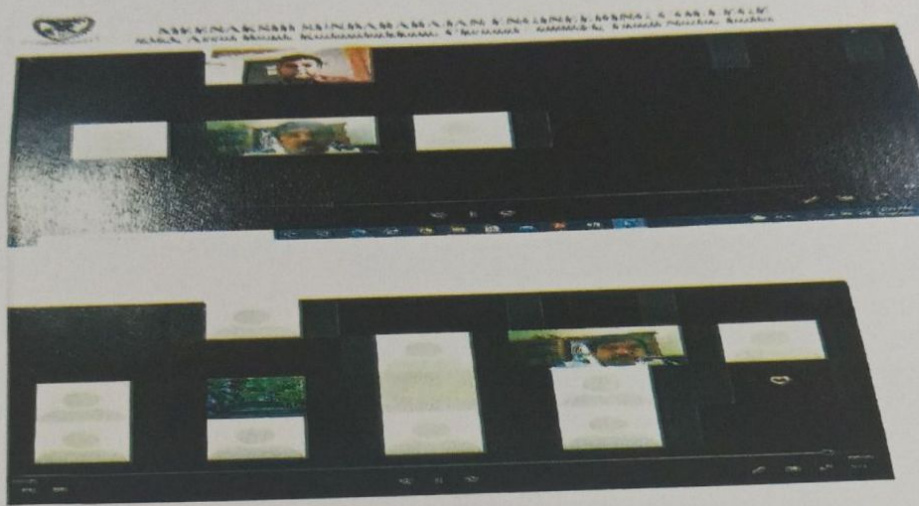




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NSS AND YRC ACTIVITIES:



NSS ACTIVITY ON IS PANDEMIC DUE TO ENVIRONMENTAL DESTRUCTION 17/5/2021 Mr.G.Sundarrajan
member of Poovulagin nanbargal

G. Sundarrajan
PRINCIPAL

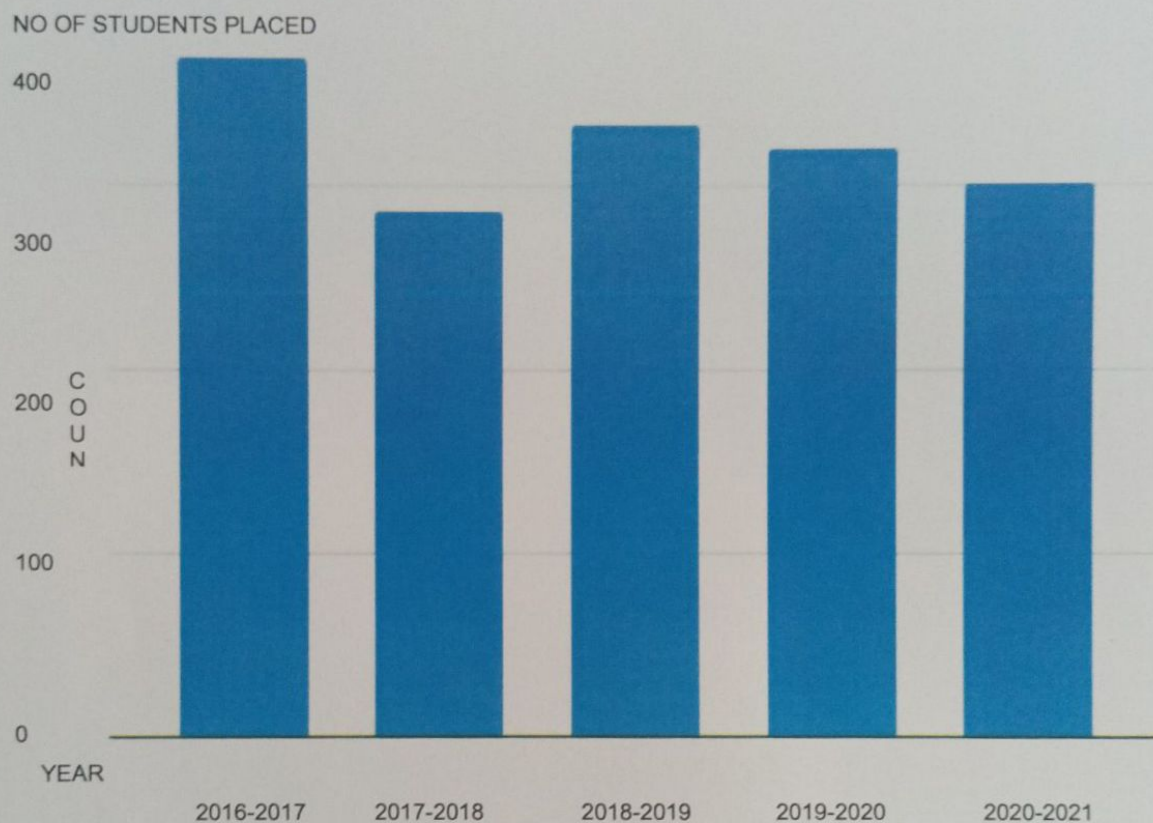
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TRAINING AND PLACEMENT:



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Thus IQAC plays a significant role in enhancing students' Knowledge, Enlightenment skills of faculty is Blossoming, Groundbreaking Proficiency of students is increased through innovative teaching, industry interaction, etc. IQAC make the part in the evolutionary reforms towards positioning the institute among top ranking institutes.

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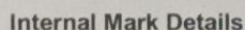
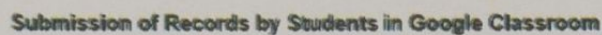
INFORMATION AND COMMUNICATIONS TECHNOLOGY(ICT)


Teachers use ICT enabled tools for effective teaching-learning process

- IQAC gives constructive feedback to the Departments suggesting measures for internal quality enhancement.
- It makes recommendations for the Departments to do self-evaluation and to set higher goals to meet new challenges.

The institute uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of education besides the traditional classroom teaching.

1. In addition to traditional teaching method (chalk and talk), faculty use ICT tools such as PPT, animated videos to encourage and motivate the independent and active learning of the students.
2. Use of modern teaching aids like LCD projectors are usually employed for effective teaching learning process. Faculty provide course material to the students, administrate internal assessment tests and assignments, track student progress, and manage record-keeping through open source LMS like GOOGLE CLASS ROOM.
3. Faculty members use digital library and other open source platforms such as NPTEL video lectures to make the course easy to understand.
4. Faculty members are encouraged to attend short term courses, staff development programs and workshops on advanced topics to keep pace with the technological developments that are taking place. Over the past years, Faculty members have been participating/ presenting papers in National / International conferences and publish articles.
5. E-resources used for effective teaching with Learning Management Systems are:
E-books, Online Test (Aptitude & Technical), you tube video Lectures & animated video lectures, Quiz and E-Learning.




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Use of ICT by Faculty

- A. PowerPoint presentations-** Faculty are encouraged to use power-point presentations in teaching by using LCD projectors.
- B. Industry Connect-** Seminar and Conference room are digitally equipped where guest lectures, Faculty Development Programs, expert talks and various competitions are regularly organized for students.
- C. Online quiz-** Online quiz for students are prepared and conducted after the completion of each unit with the help of GOOGLE FORMS.
- Automated scoring and grading
 - Time restricted questions & time outs
 - Instant feedback on in/correct answer
- D. Mentimeter -** Mentimeter enables to **engage with students using live polls, word clouds, quizzes, multiple-choice questions and more.** Track learning and understanding by asking questions and downloading results. Communicate and interact with your students.



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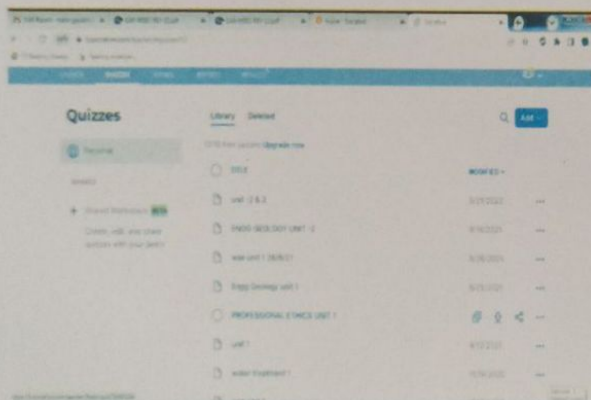
USE OF ICT BY FACULTY



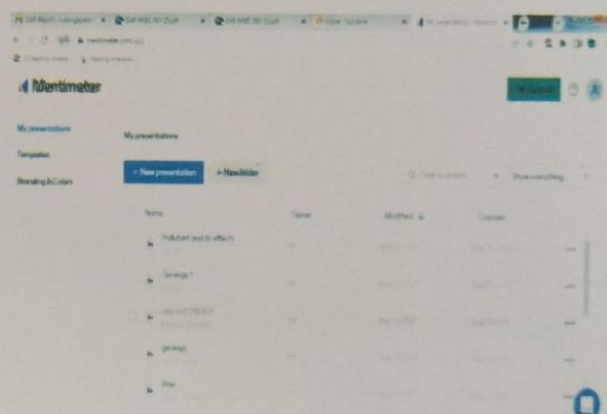
A) PowerPoint presentation



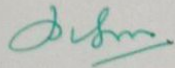
B) Faculty Development Program
conducted Online



C) Quiz Competition conducted online



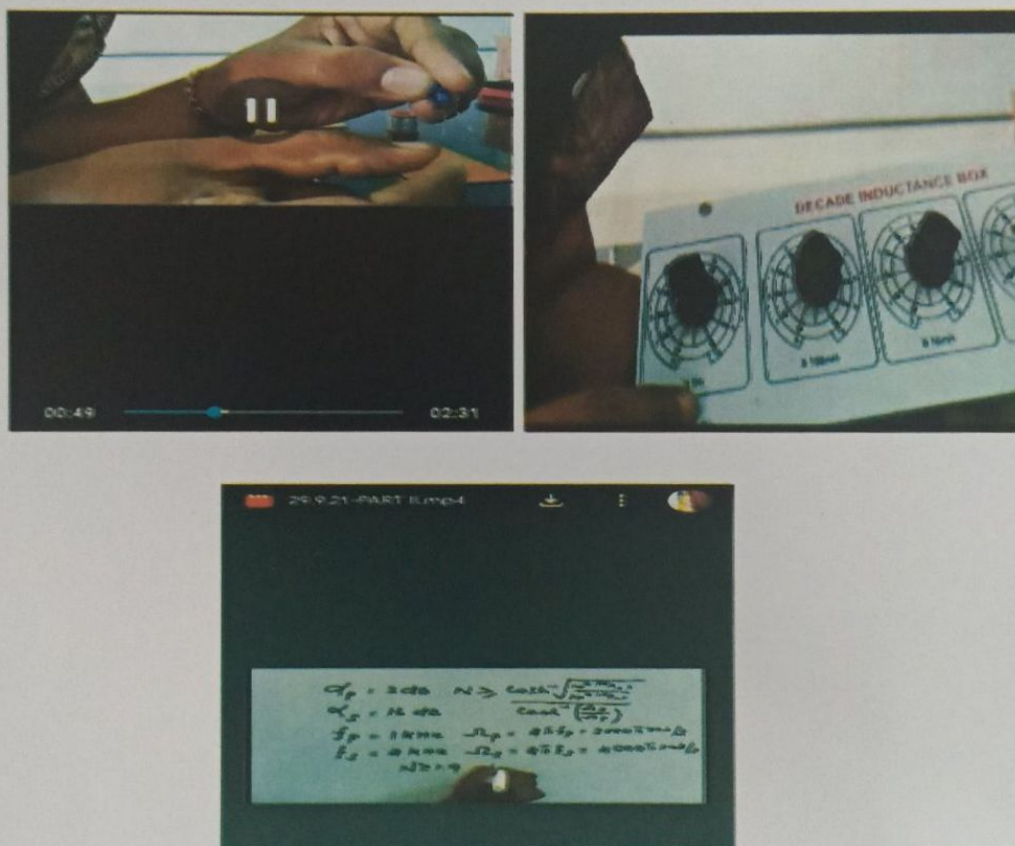
D) Mentimeter App


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E. Video lecture - Video lectures are recorded and made available to students for long term learning and future referencing.



Video lecture

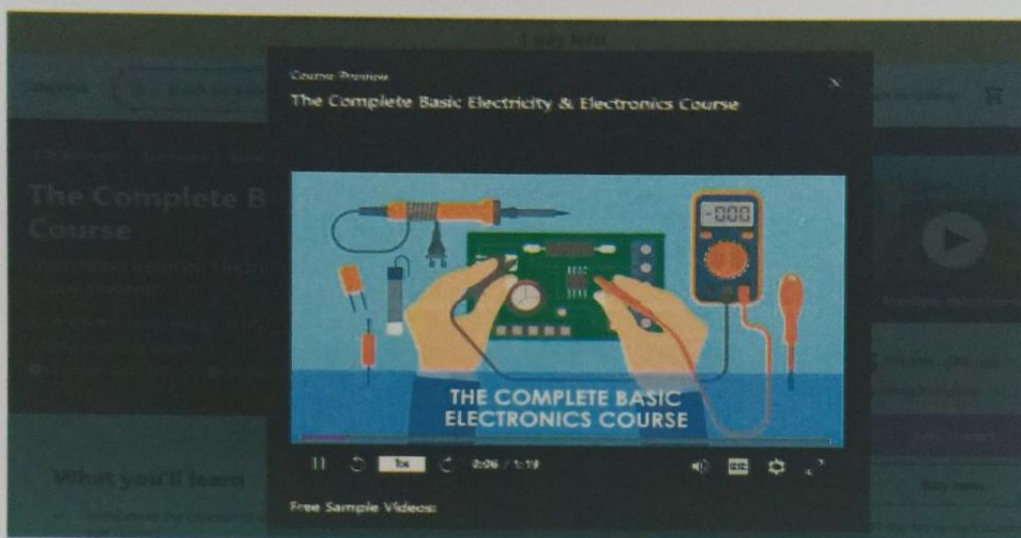
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Principal
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- F. Virtual Lab:** Tinker cad is a free, easy-to-use web app that equips the next generation of designers and engineers with the foundational skills for innovation like 3D design, electronics, and coding.



Virtual Lab conducted using Tinker Cad app

USAGE OF ICT TOOLS IN TEACHING & LEARNING PROCESS

Year	PPT & Video Lectures	Modern Teaching Aids Like Lcd Projectors	E-Books, Online Test (Aptitude & Technical)	Nptel	You Tube Video Lectures	E - Conference, E-Internship, E –Seminar,E - FDP	E-Quiz	Video Conferencing Tools	Virtual Lab	Google Classroom
2016 -2017	✓	✓	✓	✓	✓	–	–	–	–	–
2017 -2018	✓	✓	✓	✓	✓	–	–	–	–	–
2018 - 2019	✓	✓	✓	✓	✓	–	–	–	–	–
2019 -2020	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2020 -2021	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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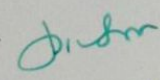
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Conclusion:

- Thus **IQAC** plays a significant role in enhancing the skills of teachers and students, the education-friendly platform Google Classroom brings the benefits of **paperless sharing, assessment, and digital collaboration to classrooms**.
- Based on the suggestions given by **IQAC**, Teachers are encouraged to use ICT tools to prepare and deliver their lectures through audios, videos and PPTs. Workshops are organized to familiarize the faculty with the various teaching and communication platforms.
- **IQAC** has ensured that all classrooms and labs are fully equipped with ICT facilities.


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