



MOHAMED SATHAK AJ COLLEGE OF ENGINEERING
(Approved by AICTE, New Delhi and Affiliated to Anna University)
Egattur, Chennai – 603 103

7. Action Taken on regards of Enrichment of Teaching - Learning Process:

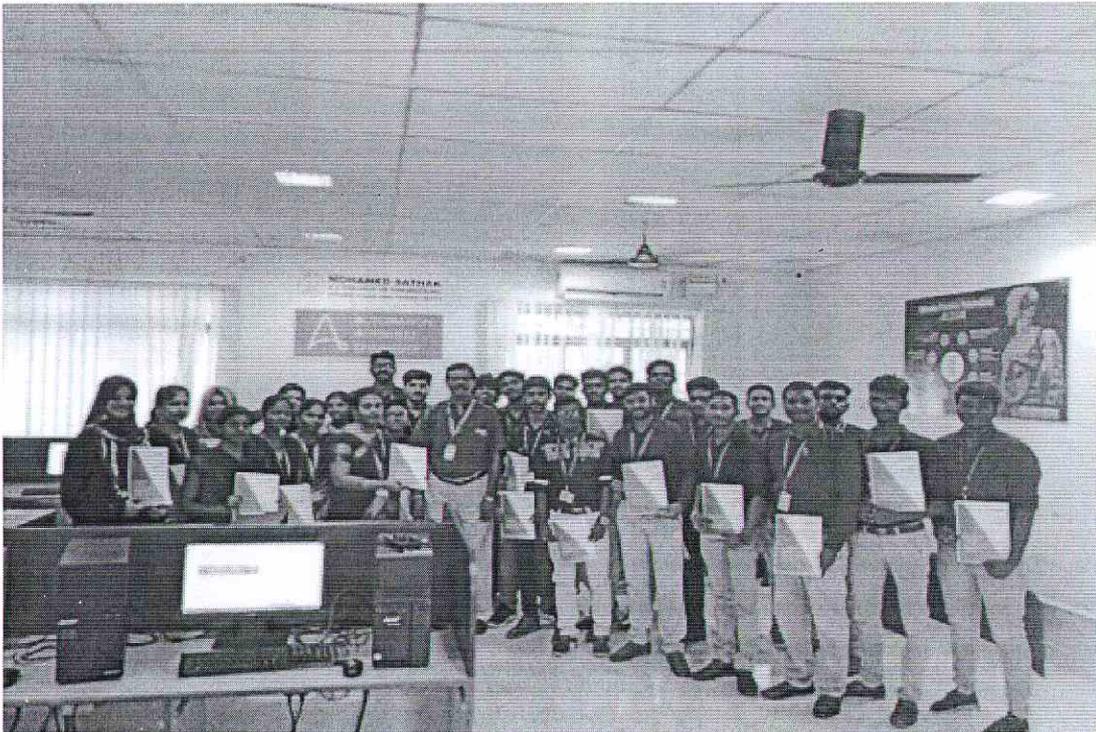
- Activity Based Learning
- Self-Learning
- Competitive Based Learning
- Industry Based Learning
- Innovation Based Learning=

Activity Based Learning

- Value Added Course
- Skill development courses in Technology Centres
- Hands On training in Labs
- Projects/ Mini Projects/ Case studies / Field Visits

Sample Shots:

RPA Certification




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Industrial Robot



Activity Based Learning conducted for all departments are as follows:

S.NO	BRANCH	COURSES
1	CIVIL	Python Programming Mobile App –Web Development CAD - 2d & 3d Modelling 3D Printing Revit Architecture & Staad Pro QGIS
2	MECH	Python Programming Computer Aided Engg Drawing - GD & T Computer Aided Modelling & Fusion 360 E- Vehicles Computer Aided Design & Assembly – Catia Multi Body Dynamics Hyper Mesh - Structural / Cfd / Thermal Analysis / HVACs Godrej Skill Development Computer Aided Manufacturing
3	CSE & IT	Python Programming C Programming Data Structures JAVA Programming & Angular JS RPA / AI & ML


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		CCNA AWS / Deep Learning Cyber Security / Ar & Vr
4	ECE	Python Programming C Programming JAVA Programming C# And .NET LAB VIEW E-Yantra CCNA RPA Godrej Skill Development Embedded & Iot Drone Technology Cyber Security
5	EEE	Python Programming C Programming C# And .NET JAVA Programming Electrical CAD PCB Design LAB VIEW RPA Embedded & Iot Godrej Skill Development Drone Technology E - Mobility

Self-Learning

- Assignments / Tutorials
- Seminars
- Online Courses – NPTEL, MOOC, SWAYAM etc


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STUDENT FEEDBACK ON CURRICULUM - OVERALL ANALYSIS PERCENTAGE OF RESPONSES :

Q.NO.	Questions	Excellent	Very Good	Good	Fair	Poor
Q1	Rate the sequence of the courses as per the courses studied in the previous semesters	31.3	27.3	36.3	4.5	0.6
Q2	Rate the syllabus of the courses that you have studied in relation to the competencies expected out of the course	22.5	30.4	40.8	5.5	0.8
Q3	Rate the relevance of the units in Syllabus relevant to the course	24.8	27	42.8	4.8	0.6
Q4	Rate the sequence of the units in the course	26.2	28.2	38.3	5.9	1.4
Q5	Rate the allocation of the credits to the courses	27.6	27.6	38.6	5.9	0.3
Q6	Rate the distribution of the contact hours among the course components (Lecture-Tutorial Lectures-Practical)	28.5	27	37.2	5.9	1.4
Q7	Rate the offering of the electives in terms of their relevance to the specialization streams	25.9	26.2	41.4	4.2	2.3
Q8	Rate the electives offered in relation to the Technological advancements	28.7	26.2	36.1	5.6	3.4
Q9	Rate the relevance of the Text Books and reference books by their International recognition to the Courses	25.9	23.9	38.6	6.5	5.1
Q10	Rate the Size of syllabus in terms of the load on the student	23.1	23.7	40.6	10.3	2.3
Q11	Rate the courses in terms of extra learning or self learning considering the design of the courses	28.2	29	36.1	5	1.7

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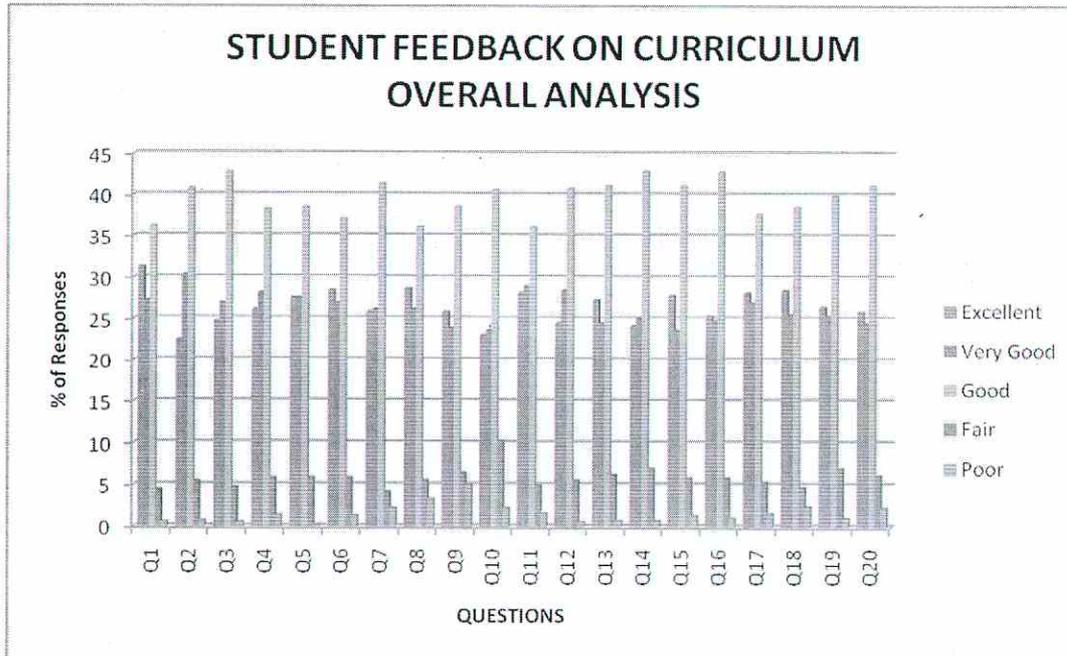
Q12	Rate the courses in terms of sequence of offering considering whether the preceding courses have been covered.	24.5	28.5	40.8	5.6	0.6
Q13	Rate the loading of the courses in a semester	27.3	24.5	41.1	6.3	0.8
Q14	Rate the evaluation scheme designed for each of the course	24.2	25.1	42.9	7	0.8
Q15	Rate the objectives stated for each of the course	27.9	23.7	41.1	5.9	1.4
Q16	Rate competencies expected out of the course	25.4	24.8	42.8	5.9	1.1
Q17	Rate the composition of the courses in terms of Basic science, Engineering science, Humanities, Discipline core, discipline elective, open elective, project	28.2	27	37.7	5.4	1.7
Q18	Rate the percentage of courses having LAB components	28.5	25.6	38.6	4.8	2.5
Q19	Rate the domain used for designing the experiments for the LAB components	26.5	25.4	40	7	1.1
Q20	Rate the experiments in relation to the real life Applications	25.9	24.5	41.1	6.2	2.3

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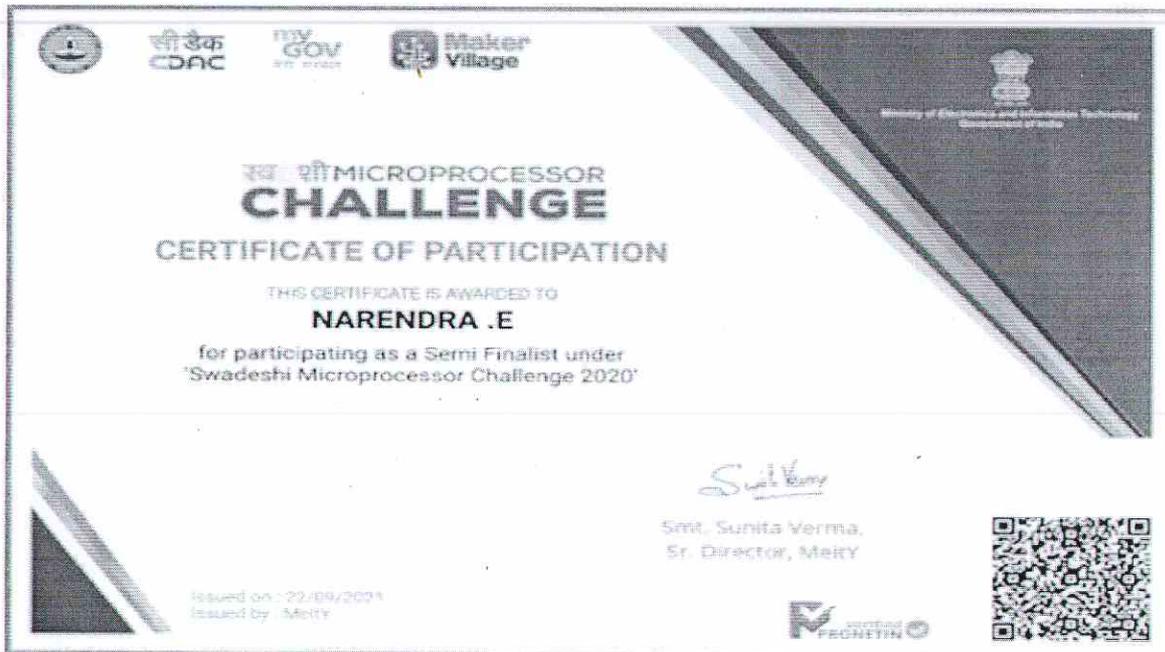


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Competitive Based Learning

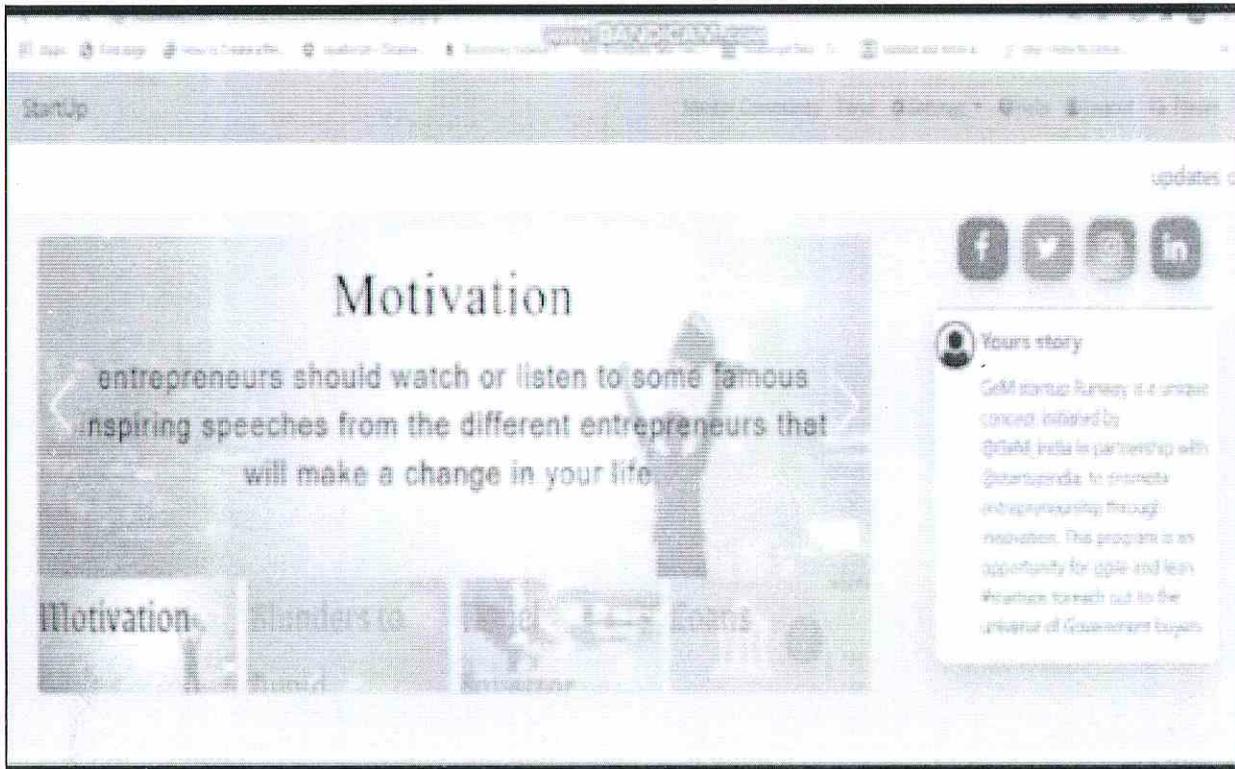
- Industrial Competitions & Hackathon
- Competitions conducted by IIC, IITs/ ISRO / C-DAC
- Competitions conducted by Academic Institutions




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Competitions Participated - 2020

Sl No	Event Name	Organized By	No of Teams Participated	No of Teams Selected From MSAJCE	Fund Received	Position
1	Smart India Hackathon 2020	MHRD & AICTE	489	01/01	Nil	Participated in Final
2	IITB-ISRO-AICTE Mapathon	IIT Bombay, AICTE and ISRO	5228	01/01	Nil	Winner from top 100
3	SWADESHI Microprocessor Challenge 2020	IIT Madras & C-DAC	6000	01/01	1,00,000 For Implementing POC	Top 100
4	IIC National Innovation Contest	Initiative of MHRD Innovation Unit	9989	01/05	Nil	Selected to Finals
5	Instinct Hackathon 2021	INSTINCT-IntelliSmart's Innovation Challenge and Hackathon	NA	01/02	Nil	Shortlisted for Second Round
6	E-Yantra TBT Competition 2020-21	IIT-Bombay	233	01/01	Nil	Eligible to setup lab

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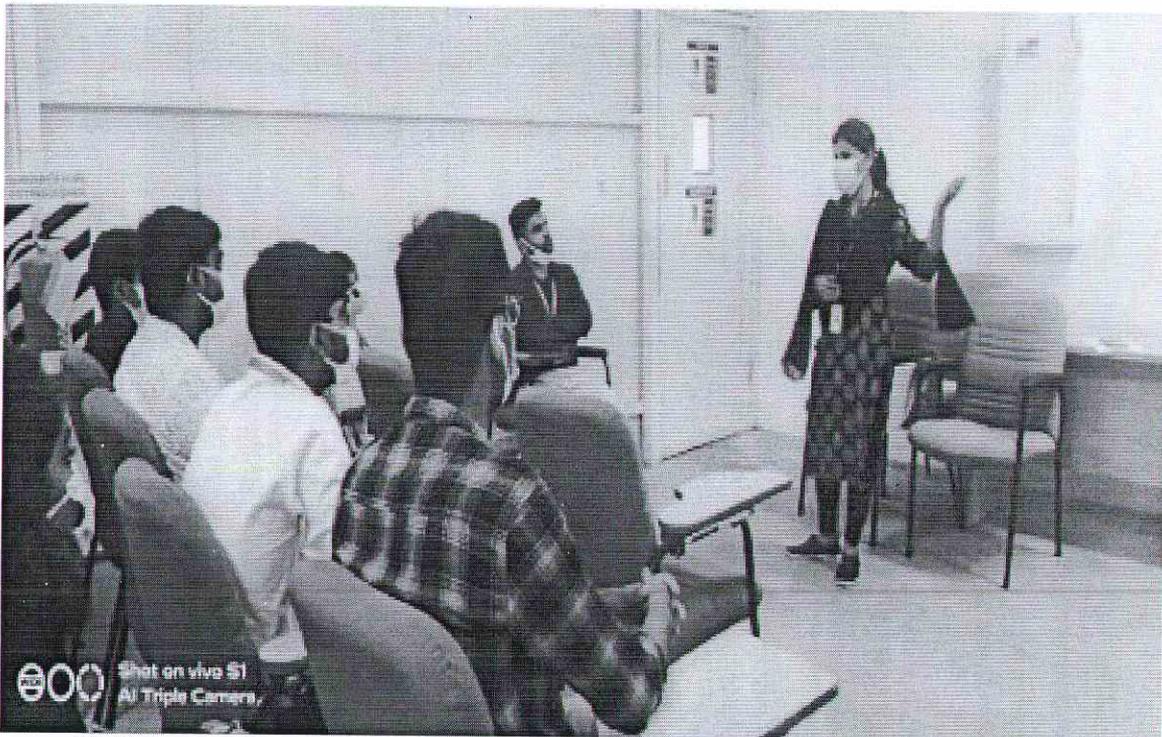
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Industry Based Learning

1. Internship
2. Industry Visits
3. Industry Projects
4. Industrial Training
5. GL, Workshop & Expert Talk by Industry Personalities



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