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1.4.2 Feedback Action Taken Report

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Action Taken Report:

In addition to feedback collection and analysis by all departments, in some departments feedback from industry stakeholders collected through mail communication has been forwarded to the BOS members of the affiliated university for consideration in the forthcoming curriculum revision.

a) Two of the departments namely Instrumentation Engineering and Electronics Engineering have applied for a branch name change and curriculum revision in the forthcoming curriculum revision of Mumbai University. The process followed for name change and syllabus revision is given below.

Academic Year: 2021-22(Rev2019-C)

Department: Instrumentation Engineering:

Proposal for the name change: A proposal for the name change was submitted to the principal by the Instrumentation Engineering department.





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To, The Principal, VESIT, Collector's Colony, Chembur, Mumbai-400074.

Sub: Proposal for change of name of BE Instrumentation Engineering (INST) program to BE Automation and Robotics program.

Respected Madam,

Further to the decrease in the student admission to Instrumentation Engineering during the academic year 2020-21, our department has taken efforts to increase awareness among junior college students by:

- Scheduling and conducting orientation sessions to junior college students in and around Mumbai region, but found the student turnout to be very poor.
- Preparing and circulating brochures on highlights and facilities available in Instrumentation department at VESIT.
- Uploading current activities and videos by alumni, on their overall experience and opportunities at Instrumentation Engineering department of VESIT, in social media.
- Conducting orientation programs to first year students of Instrumentation engineering on the placement prospects and opportunities for higher studies under Instrumentation Engineering.

In spite of the above said efforts taken by the department, the admission scenario for Instrumentation engineering during the next academic year of 2021-22, was found to be decreasing. Further to that,

- An online 'Department faculty meeting' was conducted on 30th December 2021, to discuss and devise a strategy and an action plan for improving student admission for the next academic year 2022-23.
- In the meeting, most of the faculty members proposed a name change of the department in order to increase the recall value of the department among junior college students and parents. It was also suggested that the admission scenario should be informed to the industry experts / Core Recruiters and conduct a meeting with them, to get their opinion / suggestions.





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- Further to that an 'Industry Interaction meeting' was conducted on 31st January 2022, with Industry experts / recruiters and the admission scenario was discussed with them. When they were asked to give their opinion on possible name change of the department, many of them suggested that more attractive name options could attract students towards the department and possibly increase the admissions.
- Also, current and past International Society of Automation (ISA) council students were asked to give their suggestions of their preferences for name change from the AICTE possible name change options, on 16th February 2022, through a Google form.
- Similarly, through VESIT Instrumentation Facebook page, alumni were also encouraged to give their opinion of their preferences for department name change on 8th April 2022.
- Further to the above initiatives of getting the opinion and suggestions of all the stakeholders, namely, Industry, Alumni, Faculty and Students, it was found that the option "Automation and Robotics" was the preferred option among majority of the stakeholders. This was then informed to the Department Advisory Board (DAB) members during the DAB meeting held on 9th April 2022 and their concurrence was obtained.

Based on the opinion received from the various stakeholders during the detailed process followed by the department for BE name change, the department proposes to change the name of BE Instrumentation Engineering program to BE Automation and Robotics program.

Thank you.

Yours sincerely,

(Mrs. Sangeetha Prasanna Ram) (HOD, Instrumentation Engineering)

(Mrs. Deepti Khimani) (Deputy HOD, Instrumentation Engineering)





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08th April, 2022.

I strumentation Department

Circular

Faculty members of Instrumentation department are requested to attend a meeting today (08th April, 2022 Friday), in Romin No. 105 at 1.45 pm regarding rethinking and finalizing of Department Hume change

S. No.	8ame of Encult	Choice Sign
1.	Kader Sharkh	Automation & Robolics
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3-	Mugdha J-	Automational Robotics M.R. Togalp
4	Khuspe	Automation Spobolis (
5	Jayaese R	Acetomationar Prosofies Jay
:6	Copulation N	Automation 4 Coborros
2	Pracad Codse	Automation & Godsi
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8	Kanchar. Chavan	Automation & Robotics keharon
9.	Kadambari Sharma	Automation & Robotice - Serta
0	Nilima Warke	Antomalian & Robotics. Marz
e1.	Sangerthe . P. Ram Deepti khemani	Automation & Robotion Synce.
12,	Deepti khemani	Automation & Robotics De

Mrs. Sangeetha

(HOD, Instrumentation Dept.)



Prasanna Ram



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06th April, 2022.

Instrumentation Department

Circular

Faculty members of Instrumentation department are requested to attend a meeting today (06th April, 2022 - Wednesday), in Room No. 105 at 2.00 pm regarding finalizing of Department Name change.

S. No.	Name of Faculty	New Name (Suggesting change)	Sign
1.	Gopalakrishnan Nº	Automation & Robolia	Jopen
2.	Nilima Warke	Automation & Robotic	a prous
3	Jayaesser	Automation	
4	Kader Shaikh	Automation& Robe	Arcs. Alt.
5	khuspe	Automations Robotics	Compu
6.	Kadambari Sharma	Automation 2-	Ryta
7	Prasad K Godse Prez	+) Automather	19 Condisc
·	2) Automat "Eng	
8	Amudh s	Autorition &	fall
9	Kanchan Chavan	Automation &	kehava
10	Mugdha Jogalekar	Automation &	M.R. Jogale
11.	Do. M.D. Patil	Robotica	Os
12.	Deepti Khimami	Automation & Robotics	NQe0
13.	Sargeetha P. Ram	Automation + Robotrice	Sport

Mrs. Sangeetha Prasanna Ram (HOD, Instrumentation Dept.)





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Sample Invitation Letters: Invitation letters were sent to different stakeholders for improvement of the curriculum.



Vivekanand Education Society's Institute of Technology

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Dr. (Mrs.) J. M. Nair M. Tech., Ph.D. (IIT-B) Principal

Ref. No .: VESIT/JMN/1703/2021-22

Date: 18/01/2022

To, Mr. Madusudan Tata Consulting Engineers

Subject: Industry Interaction Meeting for improving First Year Instrumentation Engineering Admissions

Greetings from VES Institute of Technology!!!

Dear Sir / Madam.

Happy New Year 2022.

We are sure that you are safe and doing well.

We would like to thank you for your continuous support and contribution by providing Internship opportunity / and OR offering recruitment opportunity to our students.

We are also grateful for your valuable suggestions and inputs while setting the syllabus of BE / B.Tech in Instrumentation Engineering for Mumbai university.

In view of the above, we would like to bring to your purview that we have been facing problems for the last two-three years during First year admissions to the Instrumentation Engineering branch due to the dominance of increasing IT Industry and Market. We strongly feel a few reasons for the same such as Lack of awareness to 12th standard students and parents about the Instrumentation branch.

As we are aware of the significance and requirement of Instrumentation Engineers for the industry, we are planning to conduct a meeting with all our Industry Experts to understand your valuable inputs for improving awareness of our field in the society. We would also be happy to understand industrial requirements and your suggestions / specific steps which we can do together by open discussion for better tomorrow.

We are planning to schedule an ONLINE meeting very soon and request you to kindly give your valuable opinion / suggestions for improving the admission status and road forward. We will confirm the date and timing of the Google meet and share the link in the next mail.

We are sure about your cooperation and support.

Thanking you

30 Principal VIVEKANAND EDUCATION SOCIETY'S



INSTITUTE OF TECHNOLOGY HASHU ADVANI MEMORIAL OP MUSET Memorial Complex, Collector's Colony, Chembur, Mumbai - 400 074. INDIA. COLLECTOR'S COLOMIS 2: 14 HIGH 22 6153 2555 | Email : vesit@ves.ac.in / principal.vesit@ves.ac.in • Website : www.ves.ac.in/vesit MUMBAI - 400 074, INDIA.





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Vivekanand Education Society's Institute of Technology

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Dr. (Mrs.) J. M. Nair M. Tech., Ph.D. (IIT-B) Principal

Ref. No .: VESIT/JMN/ 1703 2021-22

To, Mr. Anand Honugunti HOD Instrumentation Tecnimont ICB Ltd.

Date: 18/01/2022

Subject: Industry Interaction Meeting for improving First Year Instrumentation Engineering Admissions

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We are sure about your cooperation and support.

Thanking you Da Principal PRINCIPAL VIVEKANAND EDUCATION SOCIETY'S



 INSTITUTE OF TECHNOLOGY

 INSTITUTE OF TECHNOLOGY

 HASHU ADVANI MEMORIAL COMPLEX

 Collector's Colony, Chembur, Mumbai - 400 074. INDIA.

 COLLECTOR'S Colory 20 27 Fax : +91 22 6153 2555 | Email : vesit@ves.ac.in / principal.vesit@ves.ac.in * Website : www.ves.ac.in/vesit

 MUMBAI-400 074. INDIA.





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Dr. (Mrs.) J. M. Nair M. Tech., Ph.D. (IIT-B) Principal

Ref. No .: VESIT/ JMN/1703 2021 - 22

Date: 18 01 2022

To, Mr. Pravin Jaiswal Aker Solutions

Subject: Industry Interaction Meeting for improving First Year Instrumentation Engineering Admissions

Greetings from VES Institute of Technology!!!

Dear Sir / Madam,

Happy New Year 2022.

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Vivekanand Institute of Technology, Chembur, Mumbai Department of Instrumentation

Industry Interaction Meeting

Minutes of Online Meeting

Mode: Google Meeting

Link: http://meet.google.com/wmi-fwnq-wrg

Date: 31st January 2022 (Monday)

<u>Time</u>: 4 pm to 5.30 pm

Members of Meeting:

- 1. Dr. Mrs. J. M. Nair, Principal, VESIT
- 2. Dr. P. P. Vaidya, Dean, Research and Development, VESIT
- 3. Mrs. Sangeetha Prasanna Ram, HOD, Instrumentation Department
- 4. Mr. Sandeep Rathi, CEO, Sierra Instrumentation & Control
- 5. Mr. Sunil Nair, HOD, Instrumentation Worley Parson Engg.
- 6. Mr Prasad Raverkar, Siemens Ltd
- 7. Mrs. Khanjari Badamwala, Burns & McDonell Engg.
- 8. Mrs Suprita Mitta, NPCC Engineering Pvt Ltd
- 9. Mr. Girish Khandekar, ThyssenKrupp India Ltd
- 10. Mr. H K Kadam, Former Training In charge, RCF Ltd
- 11. Mr. Tushar Jadhav, Johnson Controls
- 12. Mr. Rishi Prajapati, Emerson process Management
- 13. Mr. Deepak Mirchandani, Technik valves Pvt Ltd
- 14. Mr. Madhusudan B L., Tata Consulting Engineers Pvt Ltd
- 15. Mr. Harshal, Industry delegate
- 16. Mrs. Deepti Khimani, Dy. HOD, Instrumentation Department
- 17. Mrs. Nilima Warke, Instrumentation Department
- 18. Mr. Prasad Godse, Placement In charge, Instrumentation Department
- 19. Mrs. Amudha Senthilkumar, Instrumentation Department





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Highlights of the meeting are as given below:

- 1. Principal, Dr. (Mrs.) J. M. Nair, welcomed all the Industry experts, recruiters and faculty members, for the Interaction meeting on improving F.E student admission to Instrumentation engineering.
- 2. All faculty members and Industry delegates introduced themselves.
- 3. Mrs. Sangeetha Prasanna Ram, HOD, Instrumentation Department thanked all the delegates, for making themselves available for the meeting among their busy schedule.
 - She gave a detailed presentation on the current status of the student admission for First year engineering at VESIT, Placement's statistics and syllabus of Instrumentation Engineering for the academic year 2022-23.
 - She also requested the industry delegates to give their valuable suggestions and inputs for improving First-year Instrumentation Engineering admissions for the AY 2022-23 and also any latest developments in industry that need to be introduced to the students in their curriculum.
- 4. Mr. Sunil Nair suggested creating awareness amongst the 10th & 12th class students about Instrumentation Engineering, latest technology changes in the area and inter discipline benefits.
- 5. Mr Prasad Raverkar suggested to interact with industry experts while setting the syllabus to include some of the latest technologies in instrumentation field
- 6. Mrs. Khanjari Kumbhar suggested sharing the instrumentation engineering career road map, growth prospects to the 12th std students.
- Mrs Suprita Mitta proposed to conduct a pre-seminar presentation for the 12th std students to understand about instrumentation and related job opportunities.
- Mr. Girish Khandekar proposed to create awareness about the career benefits and salary packages in core instrumentation companies to 12th std students
- Mr. H K Kadam proposed to create technical or robots' kits for 12th std students to help them understand and also create awareness about instrumentation discipline.
- 10. Mr. Tushar Jadhav volunteered to assist Instrumentation department on setting a new syllabus.
- 11. Mr. Sandeep Rathi suggested the following:
 - There are a few subjects and technical skills that are essential for working in the current industries but not covered in the syllabus, such as BMS and digitization technologies like ERP/SAP. This gap needs to be bridged through training and lectures by domain experts from industry.
 - Setting up of advanced lab facilities by concerned industries for in-house lab exposure has to be given for the subjects which are not covered in syllabus for better placement opportunities



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- Department name may be modified to include more popular keywords, such as Automation, Controls, Robotics and also new subjects introduced accordingly.
- 12. Mr. Rishi Prajapati, Mr. Girish Khandeka agreed with Mr. Sandeep Rathi's suggestion for name change of the department.
- 13. Dr. Mrs. J. M. Nair, Principal, suggested getting e-articles and videos from VESIT Alumni and sharing them with the students through digital media.
- 14. Mrs Suprita Mitta suggested to introduce instrumentation software like VIVA or SPI to students
- 15. Mrs. Khanjari Kumbhar suggested internship to students for long duration of time.
- 16. The meeting concluded with Mrs. Sangeetha Prasanna Ram, informing the industry delegates that she would be sharing the Minutes of the meeting and the AICTE approved name change list for Instrumentation Engineering, for the delegates to give their valuable suggestions.





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	Telecommunication Engineering	
	Applied Electronics and Instrumentation Engineering	
	Automation and Robotics	
	Automation Engineering	
	Biomedical Instrumentation	
	Electrical Engineering Industrial Control	
	Electrical Instrumentation and Control Engineering	
	Electronic Instrumentation and Control Engineering	
	Electronics and Instrumentation Engineering	
	Applied Electronics and Instrumentation Engineering	
	Electronics and Instrumentation Engineering	
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Instrumentation Engineering	Power Electronics and Instrumentation Engineering	
Engineering	Electronics and Control Systems	
	Electronics Communication and Instrumentation Engineering	
	Electronics Instrumentation and Control Engineering	
	Instrument Technology	
	Instrumentation	
	Instrumentation and Control Engineering	
	Instrumentation and Electronics	
	Instrumentation Engineering	
	Instrumentation Technology	
	Power Electronics and Instrumentation Engineering	
	Robotics and Automation	
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Department: Electronics Engineering:

Proposal for name change: A proposal for the name change was submitted to the principal by the Electronics Engineering department.

To, The Principal, VESIT, Collector's Colony, Chembur, Mumbai-400074. 02/03/2022

Sub – Proposal to change name of the BE Electronics Engineering (ETRX) program to BE Electronics and Computer Science (ECS) program.

Respected Madam,

After the department meeting with Managing Trustees and Principal on 28th September 2019, regarding the decrease in the number of admissions in our branch, we have put below mentioned efforts to increase the number of students admitted in the branch by:

(i) Deploying 2-3 faculty members daily to counsel the parents and students during the admission time, highlighting the scope, facilities and placement available in the ETRX department at VESIT.
(ii) By preparing powerpoint presentations, flyers and brochure highlighting activities of the ETRX department, which were presented and distributed during admission time.
(iii) Presenting highlights of the ETRX department on the social media too.

(iv) We have also conducted orientation program to educate the newly admitted students about the benefits of the course.

(v) We have been regularly conducting workshops and expert lectures through various activities, where our present students had the opportunity to interact with our alumni who have been entrepreneurs and working in respectable positions.

In spite of all the efforts, we have observed that the aspiring candidates for admission to engineering courses are more inclined towards computer and allied branches. Further investigations reflect:

- The syllabus of ECS differs from ETRX, only in a few compulsory and elective subjects as highlighted in the attached syllabus scheme of University of Mumbai.
- Considering the current industry trend, ECS students will be equipped with the knowledge of hardware as well as programming skills, hence making them more employable.
- The number of students admitted to ECS program have significantly improved in all the colleges which have switched from ETRX program to ECS program in University of Mumbai.
- Our faculty members are experienced and competent enough to handle all the subjects which are there in the syllabus of ECS.
- 5) Changing the program name will not need additional infrastructure, in the present scenario.





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Hence, we the undersigned, propose to you to apply for changing the name of our program from ETRX to ECS for the aforementioned reasons.

In anticipation of a favorable action,

Regards, Staff Members, Electronics Engineering Department, VESIT.

Enclosed herewith for your kind reference:

- Comparative admission data analysis of ECS and ETRX program of several colleges of Mumbai region. (Source-DTE website)
- 2) Highlighted courses of ECS differing from ETRX.
- 3) Syllabus scheme of ETRX
- 4) Signatures of the ETRX department staff.

Kavita 2/3/2022 (KAVITA TEWARL) HOD Asegon Asegon DS AHKSLissages Asso. Frofessor.

Kowt Noveeta 2/3/2022 (NAVEETA KANT)

Dy. HOD

Aoj Dr. T. Rajani Mangala (Professor)

Dept of Electronics Engg



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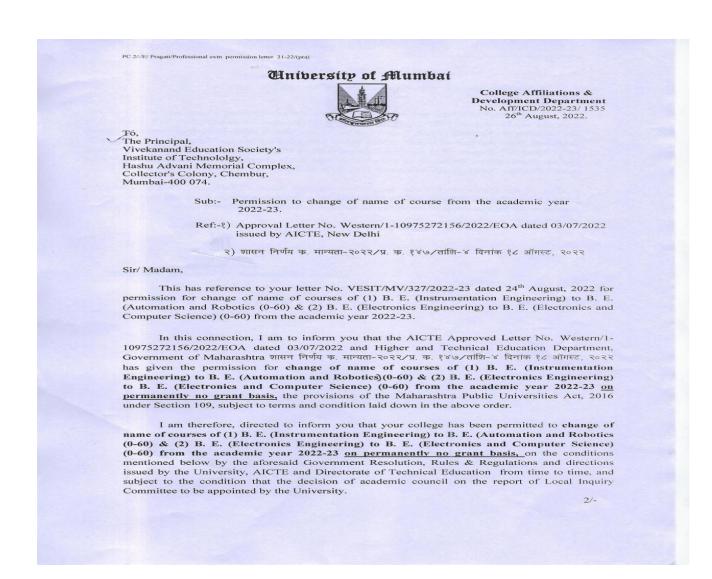
Date 2/3/2022 Application for Branch Name Change from Electronics to Electronics and computer Science

C. New Detection Outline Detection					
Sr. No.	Name	Designation	Qualification	Date of Joining	Sign
1	Mrs. Kavita Tewari (HOD)	Associate Professor	M. Tech. (Ph.D. Thesis Submitted)	09/07/1997	Kainte
2	Mrs. Naveeta Kant (Dy. HOD)	Associate Professor	M.E. (Ph.D. Thesis Submitted)	01/07/1989	wi
3	Dr. Rajani Mangala	Professor	Ph.D.	01/08/1997	Noy
4	Dr. Abhay Kshirsagar	Associate Professor	Ph.D.	01/07/2002	Juger
5	Dr. Asawari Dudwadkar	Assistant Professor	Ph.D.	01/01/2006	TA
6	Mrs. Jaymala Adsul	Assistant Professor	M.E. (Ph.D. Thesis Submitted)	13/02/2006	the
7	Dr. Parmeshwar Birajdar	Assistant Professor	Ph.D.	01/07/2006	PBil
8	Mr. Abhijit Shete	Assistant Professor	M.E.	01/07/2006	A
9	Mr. Yogesh Pandit	Assistant Professor	M.E. (Pursuing Ph.D.)	15/01/2007	Gondel
10	Mrs. Sarika Kuhikar	Assistant Professor	M. Tech.	03/08/2007	Stanbula
11	Ms. Rakhi Jadhav	Assistant Professor	M. Tech., (Pursuing Ph.D.)	20/05/2011	00.
12	Mrs. Gauri Sahoo	Assistant Professor	M. Tech., (Pursuing Ph.D.)	31/05/2011	Grawil Se
13	Mrs. Amrita Jhaveri	Assistant Professor	M. Tech.	09/07/2012	Amilà.
14	Mr. Abhishek Chaudhari	Assistant Professor	M. Tech.	13/08/2012	Blallow
15	Mrs. Dipti Karani	Assistant Professor	M.E.	01/01/2013	Julti
16	Mrs. Anushree Prabhu	Assistant Professor	M.E.	07/07/2014	Reasing
17	Mr. Chandrashekhar Jawale	Lab Assistant	MCA	17/08/2004	Hove
18	Mrs. Mugdha Deshpande	Lab Assistant	Diploma (IE)	17/06/2006	MEDELLA
19	Mrs. Asmita Pawar	Lab Assistant	Diploma (IE)	05/08/2011	AR
20	Mr. Suved Mhatre	Lab Assistant	BCA	02/08/2015	400



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Course Name Change Permission Letter:







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PC 2/:/E/ Pragati/Professional extn permission letter 21-22/(pra)

-2-

महाविद्यालयाने कोणत्याही परिस्थितीत मंजूर प्रवेश क्षमतेपेक्षा जास्त प्रवेश देऊ नयेत.

I am further to inform you that if you start the above mentioned change of name of courses from the academic year 2022-23, please make an application for continuation and extension of affiliation for the Second, Third& Fourth year of the said faculty in the prescribed form on or before the month from the date of receipt of this office letter as per Circular No. Aff.Recog./ICC/2012-13/17 dated 24th August, 2012 and make the payment of affiliation fees in the name of the Finance and Accounts Officer, University of Mumbai. A copy of the circular No. Aff./Recog.I/ 189 of 2008 dated 17th May, 2008 is attached herewith for your information.

A copy of the University Circular No. Aff.Recog.II/49, dated 4th February, 1987 regarding 0.2802 preventing the colleges and the Managements of the colleges from accepting donation or capitation fee for admission of student in the colleges is enclosed herewith for your

Yours faithfully,

(Deepak Wasave) Deputy Registrar College Affiliations & Development Department



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b) Action taken Report by Department Advisory Committees:

For further enrichment of curriculum delivery of the course, feedback from different stakeholders is analyzed, course gaps are identified and corrective measures have been taken. The curriculum feedback is collected from different stakeholders, analyzed by the department-level advisory committees including the department advisory board (DAB), program assessment committee (PAC), and course-wise group advisors and external faculty members who play an active role to ensure the robustness of the feedback mechanism.



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V.E.S. INSTITUTE OF TECHNOLOGY, CHEMBUR, MUMBAI – 400074

DEPARTMENT OF Instrumentation ENGINEERING

Minutes of the Program Assessment Committee (PAC)

The Program Assessment Committee meeting was held on 23 rd Aug, 2021. The following points were discussed in the meeting:

1. The Agenda of the meeting was to discuss the CO attainment and the Result Analysis which contains course wise, semester wise results of the department for the academic year 2020-21 (odd semester).

2. CO attainment for even sem of Second Year, Third Year, and Final Year was discussed in the meeting.

3. CO attainment calculations are based on the dynamic target for each course where the minimum target for theory is 60% and for labs 70%.

4. The following tables show subject-wise comments for CO attainment by PAC members:

Sr. No.	Name of the course	Suggestions to be implemented in AY 2021-	
1	Applied Mathematics III	All COs attained. More real life based problems to be solved	
2	Electrical Network and machines	All COs attained., NPTEL/Video lectures	
3	Analog Electronics	NPTEL/Video lectures on power supply	
4	Digital Electronics	Case study on applications/Design of digital systems	
5	Transducer I	All COs attained. Increase the target (threshold)	
6	Object Oriented progamming and Methodology-Lab	Improve attainment through case study/mini projec	
7	Transducer I lab practice	Virtual labs on measuring instruments and techniques	
8	Analog Electronics Lab Practice	Case study/mini project on analog components	
9	Digital Electronics- Lab Practice	All COs attained	
Sem Sr.	V(R2019)		
No.	Name of the course	Suggestions to be implemented in AY 2021-22	





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1	Electrical Machines and Drives	All COs attained. Increase the target (threshold)
2	Application of Microcontroller	Case study on interfacing of various I/O devices and application development
3	Control System Design	Case study/SEL on compensators
4	Process Instrumentation System	and stady/SEL of compensators
5	Data structures and algorithms	case study/miniproject
6	Analytical Instrumentation	Case study on applications of AI (new subject)
7	Professtional communication and Ethics	Presentations/ mock interview
8	Elctrical Machines and Drives-Lab Practice	Mock viva
9	Application of Microcontroller -Lab Practice	hands-on embedded kits
10	Process Instrumentation Systems and Control System Design Lab	Virtual lab

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Sem	VII	R2016)

Sr. No.	Name of the course	Suggestions to be implemented in AY 2021-22
1	Industrial Process control	Expert lecture on batch process industries
2	Biomedical Instrumentation	poster/assignment on significance of electrical safety in biomedical measurements
3	Industrial Automation	Expert lecture on database management and SIS
4	Image Processing	NPTEL video lecture for image enhancement and image restoration model
5	Biomedical Instrumentation-Lab	case study on life support instruments and their applications
6	Industrial Process control-Lab Practice	All COs attained. Increase the target (threshold)
7	Industrial Automation-Lab Practice	Mock viva
8	Image Processing -Lab Practice	case study on image enhancement case study on image restoration

PAC In-charge: Mrs. Nilima Warke PAC Members: Mrs Sangeetha P.Ram Mrs Deepti Khimani Mrs. Amudha S





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2021-2

V.E.S. Institute of Technology, Chembur Department of Instrumentation

In the attached sheets, suggestions of programme assessment committee (PAC) members for odd sem of 2021-22 has been given based on CO attainment and result analysis of 2020-21 odd sem. Please note down the suggestions related to your course for implementation during 2021-22.

PAC Members:

Mrs. Nilima Warke Mrs Sangeetha P.Ram Mrs Deepti Khimani Mrs. Amudha S







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Department of Instrumentation

PAC Suggestion to be implemented in odd sem of 2021-22

Sr. No.	Name of the course	Suggestions to be implemented in AY 2021-22	Sign
1	Applied Mathematics III	All COs attained. More real life based ploblems to be solved	Der
2	Electrical Network and machines	All COs attained NPTEL Mideo	Sais
3	Analog Electronics	NPTEL/Video lectures on power supply	On.
4	Digital Electronics	Case study on applications/Design of digital systems	kitavan .
5	Transducer I	All COs attained. Increase the target (threshold)	Op
6	Object Oriented progamming and Methodology-Lab	Improve attainment through case study/mini project	Cred
7	Transducer I lab practice	Virtual labs on measuring instruments and techniques	Mary
8	Analog Electronics Lab Practice	Case study/mini project on analog components	Q.
9	Digital Electronics- Lab Practice	All COs attained	1. howon

	Sem V(R2		
Sr. No.	Name of the course	Suggestions to be implemented in AY 2021-22	Sign
1	Electrical Machines and Drives	All COs attained. Increase the target (threshold)	18.
2	Application of Microcontroller	Case study on interfacing of various I/O devices and application development	∞ <u>u</u>
3	Control System Design	Case study/SEL on compensators	C.
4	Process Instrumentation System		Charles.
5	Data structures and algorithms	case study/miniproject	gora .
6	Analytical Instrumentation	Case study on applications of AI (new subject)	Say



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,	Professtional communication and Ethics	Presentations/ mock interview		
3	Elctrical Machines and Drives- Lab Practice	Mock viva	A	2.469
,	Application of Microcontroller - Lab Practice	hands-on embedded kits	Dec	DI
0	Process Instrumentation Systems and Control System Design Lab	Virtual lab	Rollin	

Sr. No.	Name of the course	Suggestions to be implemented in AY 2021-22	Sign
1	Industrial Process control	Expert lecture on batch process industries	world
2	Biomedical Instrumentation	poster/assignment on significance of electrical safety in biomedical measurements	April
3	Industrial Automation	Expert lecture on database management and SIS	Produ
4	Image Processing	NPTEL video lecture for image enhancement and image restoration model	Ko/
5	Biomedical Instrumentation-Lab Practice	case study on life support instruments and their applications	Jar
6	Industrial Process control-Lab Practice	All COs attained. Increase the target (threshold)	frome
7	Industrial Automation-Lab Practice	Mock viva	Rodn.
8	Image Processing -Lab Practice	case study on image enhancement	7 se
		case study on image restoration	



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22nd July 2022

V.E.S. Institute of Technology, Chembur

Department of Instrumentation

In the attached sheets, suggestions of program assessment committee (PAC) members for odd sem of 2021-22 have been given based on CO attainment and the result analysis of 2021-22 odd sem. Please note down the suggestions related to your course for implementation during 2022-23.

PAC Members:

Dr. (Mrs.) Nilima Warke Dr. (Mrs.) Sangeetha P.Ram Mrs. Deepti Khimani Mrs. Amudha S





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Department of Information Technology

Department Advisory Board Meeting Report

(AY 2021-22 Even Sem)

A DAB Committee meeting was conducted on 9/4/2022 from 11:00 am to 1:00 pm in Room No. 507. The following members were present for the meeting.

- Dr. Prasad Ramanathan (Capgemini, Mumbai) 1.
- Mr. Haresh Hiranandani (Accenture, Mumbai) 2.
- Dr.(Mrs) M.Vijayalakshmi (Vice-Principal, VESIT) 3.
- Dr.(Mrs) Shalu Chopra (H.O.D, IT Dept., VESIT) 4.
- Mrs. Smita Jangle (Dy. HOD,, IT Dept., VESIT) 5.
- Dr.(Mrs) Shanta Sondur (Professor, IT Dept., VESIT) 6.
- Mr. Manoj Sabnis (Associate Professor, IT Dept. VESIT) 7
- Mrs. Asha Bharambe (Associate Professor, IT Dept. VESIT) 8.
- Mrs. Asma Parveen I. Siddavatam (Assistant Professor, IT Dept. VESIT) 0
- 10. Mrs. Charusheela Nehete (Assistant Professor, IT Dept. VESIT)
- 11. Mr. Nikunj Gala (Alumni)
- 12. Mr. Dimant Gandhi (Alumni)
- 13. Mr. Mayank Kothari (Alumni)
- 14. Ms. Jisha Philip (Student-T.E)
- 15. Mr.Omkar Pawar (Student-T.E
- 16. Mr. Devdatta Khoche (Student- B.E)
- 17. Mr. Ishwar Nailwal (Parent)
- 18. Mrs.Sheetal Butani (Parent)

Agenda of the DAB meeting:

- Strengthening of Alumni connect. .
- Improve the quality of the projects at SE,TE and BE.
- Present the activities carried out in the last 5 years and rename them as Best Practices of the department - based on the outcomes of the activities.
- Present the earlier mission statements for seeking the suggestions from the stakeholders as per the suggestions given by DAB members in the meeting held on 08/05/2021.

The meeting started with the presentation by Mrs. Asma Parveen I. Siddavatam on Department Achievements, Teaching Learning Process and activities in the last 5 years along with the outcomes and proposed to convert them as the Best practices and Department Distinctiveness of the department.

The following were the suggestions given by the stakeholders:





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Department of Information Technology

Dr. (Mr.) Prasad Ramanathan from Capgemini, Mumbai, who is the senior advisor for this committee and Mr. Haresh Hiranandani from Accenture, Mumbai, who also is one of the advisors in the DAB Committee suggested following:

- 1. How do you differentiate yourselves from online forums like coursera.
- 2. How to present your initiative with outcome in mind?
- 3. Give metrics and numbers for CO-PO as part of the DAB review.
- Last year's project was a demonstration of knowledge before entering a professional career. Hence, recommended "Collaboration of Alumni and students to get real use cases/problems and deliver jointly.
- Regular connect/ Exposure to industries to warmup for real world.Pls include latest industry trends and technologies.
- 6. In the presentation (deck shown today), focus on outcomes and add video testimonials(1-2 minutes) if possible.
- 7. As students are back to offline mode, focus on labs/practicals to hands on experience.

Mr. Nikunj Gala, Mr. Dimant Gandhi and Mr. Mayank Kothari, who are the VESIT-Alumni in this committee suggested the following points:

- 1. More real world problems in Final year projects and combine third and final year projects to solve and make final year projects more problem solving.
- Seminar or connect with industry experts to understand the real/corporate world and learn from expert topics of their interest.
- 3. Certification programs (programs from Google/AWS).
- 4. Share knowledge from senior to junior while in first and second year.
- Real world projects can be divided into modules and can be given to different groups from the same college or different institute, that helps to get better exposure to learning real world problems.
- Get connected with SMEs or startups who can utilize students as shadow resources (students will learn real scenarios and companies will get fresh talent at either stipend for interns.)

Ms. Jisha Philip, Mr.Omkar Pawar and Mr. Devdatta Khoche, students of IT department suggested following:

- 1. Projects can be assigned to 2-3 groups with each group working on different modules with different technologies.
- 2. Projects or internships compulsory
- 3. ACM ICPC culture.
- 4. BE project problem statement from Industry expert.
- 5. More time span for BE project.
- 6. Open source contribution is compulsory.
- 7. Compulsory internship for 6 months with evaluation.
- 8. Emphasis more on coding instead of theory.





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Department of Information Technology

Mr. Ishwar Nailwal and Mrs.Sheetal Butani, parents suggested following: Students have studied online for two years, teachers should check their knowledge and have more practical than theory.

Conclusion:

It was proposed to form a group of faculty and Alumni to identify the real world problems, decide the scope and take it up as a mini project or a major project to be offered at SE, TE and BE level. The Alumnis agreed to provide support and handholding to the student and faculty in improving the quality of the projects at UG level.

Looking at the outcomes of best practices for the last five years, presented in the meeting, DAB committee members have endorsed it for calling them as the Best Practices of the department.

It was also decided to share the modified mission statements with the Industry experts and Alumni members of the DAB committee for their approval and acceptance based on the suggestions given by them and the faculty in the department.



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Department of Information Technology

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AANT	4	Mr. Dimant Gandhi	Alumni	CODITAS SOLUTIONS LLT	dhimant-gordhi @grail. 9867218113	Der
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	13	Mr.Omkar Pawar	Student (Third Year)	VESIT	8177845430 d2019omkar.pawar@ves.ac.in	Ganzar
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DAB COMMITTEE(2021-22)





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Department of Information Technology

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Department of Information Technology

DAB suggestions (2020-21) and Action Taken report for the A.Y 2021-22

Date:9/4/2022 Time: 11:00 am to 1:00 pm Venue: Room No. 507 Incharge:Dr. Manoj Sabnis

Agenda of the Meeting:

- 1. Strengthening of Alumni connect.
- Improve the quality of the projects at SE,TE and BE.
- Present the activities carried out in the last 5 years and rename them as Best Practices of the department based on the outcomes of the activities.
- 4. Present the earlier mission statements for seeking the suggestions from the sstakeholders as per the suggestions given by DAB members in the meeting held on 08/05/2021.

Discussion Report:

The following suggestions were given during the meeting and Actions taken in year 2020-21 are listed below:

Sr.No.	Suggestions (2020-21)	Actions Taken (2021-22)
1.	virtual environment, you are now required to compete with the best of on-line resources such as Edureka, Udacity, NPTEL, Coursera, etc.	certification courses, 115 students did oracle certification course organized by the department, 41 took coursera online

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Increase and promote A practicality of things like d problem solving, using w newer technologies.	tudents were also encourage to take up APTEL courses, 6 students registered for ifferent courses and 3 of them successfully ompleted and got Elite+Silver certificate type. As per the suggestions given by DAB members lepartment taken initiative to start new workshops/seminars/hackathons under the cell named as QuestIT" which is for the students and by the students under teachers guidance.
practicality of things like d problem solving, using w newer technologies.	lepartment taken initiative to start new workshops/seminars/hackathons under the cell named as QuestIT" which is for the students
practical's is expected by students. 1 There should be some kind of workshop/ initiative from the department.	Workshops on web development with Firebase, Resume Website with Tailwind CSS, machine learning and Hackathon INVICTUS'22 and also a technical event CODE-O-FIESTA was organized. As per the DAB members suggestions, Coding Assignment were given to second year students on the subject Java L and were asked to use Coding Platform – Leetcode and Hackerrank. The initiative eDisha which was started during lockdown is continued for conducting skill enhancement lectures. For real world experience students were encouraged to take up Internship during vacations.





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Department of Information Technology

Intellimedia networks pvt Ltd, stock guru, exposys data labs, Takemind.com, spark foundation, etc.) or they are given internship at college by Vesit Renaissance cell (VRC Cell) of the college.

Students were Encouraged to participate in competitions/hackathons. Total 55 Students participated in various National/ statelevel/ intracollegiate/intercollegiate competitions Hackathons. Students participated in the prestigious hackathons such as SIH, Deep blue by Mastek etc.

Prepared By:

DAB-Member,

sny Perres

Asma Parveen I.S

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