



Alva's Institute of Engineering & Technology
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

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INTERNAL QUALITY ASSURANCE CELL (IQAC)

Ref. No. AIET/IQAC/2020-21/04

Date: 23 Sept 2020

CIRCULAR

An Internal Quality Assurance Cell (IQAC) meeting is scheduled on 09 Oct 2020 at 10 AM in Board Room, AIET Campus. The agenda for the meeting is as given below

Agenda:

1. Review of previous IQAC Meeting and subsequent action taken.
2. Review of Academic Result and Action plan for improvement.
3. Resources and Infrastructure requirement for addition of new courses.
4. Status of Research Projects, Future Plan.
5. Review of feedback form all stakeholders - student, parent, alumni and employer.
6. Review of Industry Institute Interaction and Student's Placement.
7. Any other point with permission from the chair.


IQAC Coordinator
Co-ordinator
IQAC
AIET, Mijar
Copy to:

1. Members of IQAC
2. Principal Office
3. IQAC File


PRINCIPAL
Chairman
IQAC
AIET, Mijar

Designation	Name	Signature
IQAC Chairman	Dr. Peter Fernandes	
IQAC Coordinator	Mr. Parveez Shariff B G	
Members	Dr. Manjunath Kotari	HOD, CSE
	Prof. Sudheer Shetty	HOD, ISE
	Dr. Manjunatha D V	HOD, ECE
	Dr. Ajith Hebbar	HOD, CVE
	Dr. Satyanarayan	HOD, ME
	Dr. Claret Mendonca	HOD, MBA
	Dr. Ravikumar	HOD, Chemistry
	Dr. Ramprasad A T	HOD, Physics
	Prof. Prameela Kolke	HOD, Maths
	Prof. Harish Kundar	Sr. Asst. Professor
	Dr. Kiran Malagi	Assoc. Professor
	Mr. Preetham Shetty KV	Librarian
	Mr. Dileep	Physical Director (PD)
	Mr. Nikhil Alva	Administrative Officer
Administrative Staff	Mr. Shantharam Kamath	Finance Officer
	Mr. Shushanth Lobo	Placement Head
T&PC	Mr. Shushanth Lobo	Placement Head
Students:	Viha B Raju	Final year CSE
	Prajwal	Final year ECE
Management Representative	Mr. Vivek Alva	Managing Trustee, AIET, Moodbidri
Alumni	Shikhar V Jain	Dept. of ME
	Niveditha	Dept. of Civil
Community Representative	Mr.s Devaki Prasanna	Parent, Assistant Teacher, Hindi Department
Employers / Industrialist:	Mr. Srikanth Bhat	Executive Director, Manipal Dot Net Pvt. Ltd.,
Other External Experts:	Dr. Laxminidhi T	Professor, Dept. of ECE, NITK Surathkal
	Dr. K V Gangadharan	Professor, Dept. of Mechanical Engg. NITK, Surathkal

The Chairperson Dr. Peter Fernandes & IQAC coordinator Mr. Parwez Shariff welcomed the members for the ~~QAC~~ IQAC meeting followed by a review presentation made by Mr. Parwez Shariff, coordinator of IQAC. The presentation included the following content.

- Odd semester result of the Academic Year 2019-20 are presented to IQAC
- IA Performance for the odd semester of 2020-21
- Presentation of curricular, co-curricular, and ~~extra~~ extracurricular activities of 2020-21 Odd Semester.

The following points were discussed in the meeting.
Agenda 01: Review of minutes of 11th IQAC meeting and subsequent action taken.

Resolution: The ~~QAC~~ IQAC meeting was conducted on 22 Feb 2021, at 11:00 a.m. The minutes of the meeting were readout with a formal discussion with all IQAC members. These minutes of the meeting were approved by the IQAC members.

Sl. No.	Recommendation given by IQAC Committee	Action Taken for Implementation & Outcome
1.	During the pandemic Social distancing is very important. So while conducting the class try to observe the same.	Every day, day scholars were made to undergo screening before entering the College. Also in the class room, Day scholars and Hostilities were made to occupy separate benches. If any student was found to be ill, immediately he/she was taken to Alva's Health care and kept in isolation.

tilt the report is generated. Then necessary action was taken based on outcome of of the report.

2. Write Project proposals for funding Projects.

This time project proposals are being sent to DST, VGSST and VTU Funding.

Also totally 37 student projects have been applied to KSCST. ~~and no projects were selected.~~

Above action taken report is noted by all the IQAC Members.

Agenda 02: Discussion on matters related to Management, Infrastructure, Academics, SDPs/FDPs, R & D, Industry Institute Interaction, Mandatory clubs, Social Outreach programs of 2019-20 Even & 2020-21 Odd Semester.

A. Management:

1. On 05 Feb 2020, National Board of Accreditation has sent the approval letter to about the sanctioning of NBA to CSE and ECE programs for three years from 2019-20 to 2020-22.
2. As there was the need for online platform to conduct assessments during Pandemic period, the institute has signed an MoU with Techgig.Com.

B. Infrastructure:

1. E Waste -15-2-2019.

Disposed of e-waste: CRT Monitor, LCD monitor, CPU with SMPS and motherboard, CPU with motherboard CPU (Empty Box), DVB Player, Wlep Dot Matrix Printer, Umax scanner, keyboard, SMPS, motherboard mouse, UPS, D-Link Network Switch [cost 9591.00]

C Academics:

1. Admission details for academic year 2020-21 as given below

Branch	2020-21		
	UG	LE	PG
CV	27	11	NA
CSE	173	06	NA
ECE	64	02	NA
ISE	59	00	NA
ME	22	03	NA
AI & ML	49	00	NA
MBA	NA	NA	86
Total	394	22	86
		504	

2. Presentation of Odd semester results Academic Year 2019-20 to IQAC

First Year - Chemistry Cycle: ~~66.62~~, Physics Cycle: ~~67.0~~

Department	4th Sem	6th Sem	8th Sem
CSE	85.5%	90.8%	80.59%
ISE	76.92%	66.67%	90.2%
ECE	90%	88.77%	81.52%
CV	50.9%	77%	92.33%
ME	58.7%	71%	95.25%
MBA / I SEM	97%	IV SEM	98.97%

It was decided that the faculty of those subject had to be asked for explanation regarding the reason for poor performance.

3. Discussion on IA Performance and Academic Activities of 2019-20 Odd Semester. The Result analysis of the IA performance was presented to the Committee.

IA Result Analysis of CSE / ISE Program:

Few students are below average and they have been given some assignments subject wise and deadline is given for submission and students have improved the scores.

IA Result analysis of ME Program

It's observed that subject are shown good performances in all subjects.

IA Result analysis of ECE Program

It is observed that - IA results of 3rd semester 5th semester and 7th semester are found to be satisfactory.

IA Result Analysis of CVE Program.

It is observed that in 3rd semester the students scored average in Mathematics and Strength of Materials. In 5th semester, the performance of students in RCC and Analysis of Indeterminate structures is very poor. In 7th semester, the students performed average in Design of Steel Structures.

Explanation: The students are very weak in understanding the mathematics and the application of the same in all these design and complex subjects. Some of the structure related subjects need the logic as the software is to be executed.

Suggestions: The coaching classes can be conducted for the design, structure related subjects along with the mathematics. Hands on training is required for the understanding of steel structures and designs. Software training skills are to be developed. The laboratory practices are to be repeated. The complete analysis of the result is to be made by the students.

4. Activities done for slow learners and Advanced learners.

The Institute groups the students into Advanced learners and slow learners. Advanced learners generally take up leadership roles such as Class representative, Forum Coordinator, NCC coordinator, NSS coordinators. In addition to this the advanced learners are inducted into EDC initiatives, MOU activities and Project leaders.

Slow learners are taken care of by supporting their academic activities through crash courses, coaching classes and they are inducted as group members of Forum, NCC, NSS, EDC and Project members.

5. Value added Labs:

a. Three papers in reputed journals are published by research scholars and three projects have been carried out through MEMS Lab.

D. R & D.:

1. The following are the Research Scholars registered at our institute research centres.

Sl.No	Dept.	Name of the Supervisor	Name of the Scholar	Year of Registration
1.	PHY	Dr. Jayarama A	Mrs. Rashmi K. R	2019
2.	Chem	Dr. Parvata G. P	Ms. Abhijna	2019
3.	ME	Dr. Satyanarayan	Mr. Shankarappa Kalgeudi	2019
4.	ME	Dr. Harishanand K. S.	Mr. Yogish Rao	2019.

2. Faculty Publication:

Sl.No	Department of the Teacher	Title of Paper	Name of the Author/s	Name of Journal
1.	Civil Engg.	Comparative	A. Tammi Rai	Trends in

		study on Behaviour of CFST and CES Columns using ABAQUS Software		Civil Engg and Challenges for Sustainability.
2.	Civil Engineering	Time-Invariant Reliability Analysis of RC T-Beam Bridge Girder-Limit State of Strength in Flexure	A Tanvir Rai	Trends in Civil Engineering and Challenges for Sustainability.
3.	Computer Science & Engg.	An Approach towards stateless Chatbots with the Benefit of Tensorflow over Spacy Pipeline.	Chaitra, Roshan Fernando, Anisha Rodrigues, Venkatesh	Advances in Artificial Intelligence and Data Engineering
4.	ECE	A Design and Implementation of Adiabatic Logic on Low Power Application Circuits	Dr. Prafulla J	International Journal of Advanced Science and Technology
5.	ECE	Design and Fabrication of Ammonia Gas Sensor Using Electropinning Method for Industrial and Medical Applications	Dr. Prafulla J	International Journal of Advanced Science and Technology
6.	ECE	Design and Implementation of Low Power VLSI FinFET Dynamic Latch	Dr. Prafulla J	International Journal of Advanced Science And Technology.

		Comparison for ADC Application	Dr. Prafulla S	
7.	ECE	Diagnosing the Diseases in Pepper Plant Using Image Processing Technique.	Mrs. K.V Bhangari	International Journal of Research in Engineering, Science And Management.
8.	ECE	Humidity Sensor Using Conducting Polymers.	Mr. Yuvraj T.	International Journal of Scientific & Engg. Research
9.	ECE	A Review: Smart Ambulance & Traffic Controlling System.	Mr. Sudha - kumar H.M	International Journal of Engineering Research & Technology (IJERT)
10.	ECE	Role of UV irradiation of Nafion membranes on ionic groups responsible for proton conduction and mechanical strength A FTIR Spectroscopic analysis	Dr. D.V. Manjunatha	Materials Today Communications 25(2020).
11.	ECE	Methanol crossover reduction and Power enhancement of methanol fuel cells with polyvinyl alcohol coated Nafion membranes.	Dr. D.V Manjunatha	Materials Today: Proceedings (2020)
12.	ECE	Enhancement of power output in passive micro-direct methanol fuel cells with optimized	Dr. D.V Manjunatha	Journal of Micromechanics and Micro-engineering.

		methanol concentration and trapezoidal flow channels		
13	ECE	Power enhancement of passive micro-direct methanol fuel cells with self-sulfonation of P(VDFETxFE) copolymer during lamination on Nafion membrane	Dr. D. V Manjunatha	Science Director
14	ECE	Pore size tuning of Nafion membranes by UV irradiation for enhanced proton conductivity for fuel cell applications.	Dr. D. V Manjunatha	Science Director
15	ECE	Assessing the Role of Machine learning in Robotics	Mr. Santosh S.	International Journal of Innovative Science and Modern Engg. (IJISME)
16	ECE	A Review on Development and Trends in Bionic Arm Design	Mr. Santosh S.	International Journal of Engg Applied Sciences & Technology
17	ECE	A Review: Design And Fabrication of Gas Sensor Using SDC-GrEL Spin Coating Technique for the Detection of Ethanol	Dr. Prafulla J.	International Journal of Advanced Science & Technology
18	ECE	A Review: Antitheft Sensor controlled Home Security System	Mrs. Vijetha T. S	International Journal of Research & Analytical Reviews

19	ECE	Antitheft Sensor Controlled Home Security System.	Mrs. Vijitha T.S.	International Journal of Electronics, And Communication Engg & Tech (IJE CET)
20	ECE	Monitoring of Honey Bee Hiving System Using Sensor Networks	Mr. Sachin K.	International Journal of Innovative Science And Research Technology
21	ECE	A Review of Design & Implementation of Hydrogen Fuel cell with Modified Proton Exchange Membrane	Dr. D. V Manjunatha	International Journals of Engg Research and Technology
22	Mechanical Engg.	Underwater Shock wave Weldability window for Sn Cu Plates.	Dr. Satyanarayana	International Journals of Materials Processing Technology
23	Mechanical Engg.	Processing, Characterization & Property evaluation of seashell and glass fibre added epoxy based polymer matrix composite	Gopal Krishna U.B	Materials Today Proceedings
24	ME Engg.	Influence of WC-Co addition in the improvement of mechanical properties of aluminium matrix composite via liquid metallurgy route.	Gopal Krishna U.B	Materials Today Proceedings
25	ME Engg.	Studies on Dry Sliding Wear Characteristics of Cermet WC-Co	Gopal Krishna U.B	Materials Today Proceedings

		Particulate Reinforced Al7075 Metal Matrix Composite	Kiran CH	
26.	ME Engg	Effect of Mix waste Cooking-oil biodiesel on performance & exhaust emissions of a CRDI engine	Kiran CH	Journal of Physics: Conference Series, Scopus indexed.
27.	ME	Simulation and analysis of P(VDF-TrFE) cantilever beams for low frequency applications.	Dr. Satyanarayana	Materials Today Proceedings
28.	ME	Study on thermal resistance of brass with and without coating of metallic surface.	Kumar Swamy M.C, Dr. Satyanarayana	Materials Today Proceedings
29.	ME	A review on effect of alloying elements and heat treatment on properties of Al-Sn alloy	Dr Satya- narayan	Materials Today Proceedings.
30.	ME	Effect of surface treat- ment on wetting behavior of copper.	Dr. Satya narayan	Materials Today Proceedings.
31.	ME	Compression and water absorption behaviour of banana and sisal hybrid fiber polymer composites.	Pranod VB, G B Vaggar, and Pravlen KC	Materials Today Proceedings.
32.	ME	A study on thermal conductivity enhancement of silicon carbide filler glass fiber epoxy resin hybrid composites	G B Vaggar and Pranod VB	Materials Today Proceedings.
33.	ME	Thermal property characterization for enhancement of thermal	G.B Vaggar	Materials Today Proceedings.

		conductivity of hybrid polymer composites.		
34	ME	An experimental study of process parameters on material removal rate in ECDA process.	Sadashiv Bellubki	Materials Today Proceedings
35	ME	An investigation on effect of wire-EDT machining parameters on surface roughness of INCONEL 718.	Sadashiv Bellubki	Materials Today Proceedings
36	ME	Experimental Investigation of Process Parameters on Machining Force, MRR and Power in Turning of AISI 316 Steel.	Sadashiv Bellubki	International Journal of Computer Aided Manufacturing
37	ME	Investigation of performance and emission characteristics of diesel engine fuelled with cardanol based hybrid bio fuel.	K.V. Suresh	Materials Today Proceedings
38	ME	Effect of injection pressure on the performance and emission of diesel engine fuelled with blends of pongamia bran bio diesel.	K.V. Suresh	Materials Today Proceedings
39	ME	Optimization of hydrogen flow rates and membrane electrode clamping pressure in hydrogen fuel cell with dual serpentine flow channel.	K.V. Suresh	Materials Today Proceedings
40	MBA	Impact of Macro-Economic Factors on Indian Stock Market - An Analysis of BSE Sectoral Indices.	Dr. Nagenb S.	International Journal of Recent Technology and Engineering (IJRTE)

41.	MBA	A systematic Analysis on central bank equity S. in India.	Dr. Nagendra	ESPACIOS
42.	Chemistry	Extraction and Characterization of cellulose from Natural Arauca Fiber	Dr. Basava raju Bembehalli	Material Science Research Ind.
43.	Chemistry	Influence of Surface Modification on Physical, Mechanical, and Morphological Properties of Natural Single Arauca Fiber.	Dr. Basava raju Bembehalli	Oriental Journal of Chemistry
44.	Chemistry	Dynamic mechanical properties of natural fiber composites-a review	Dr. Basava raju Bembehalli	Advanced Composites & Hybrid materi
45.	Chemistry	Electrodeposition of Corrosion resistant Nanostuctured Ni-Fe Alloy coatings.	Dr. Pavitra G.P.	International Journal of Applied Eng & Management
46.	Chemistry	Electrodeposition and Corrosion Analysis of Zn-Fe Alloy Coatings.	Dr. Pavitra G.P.	International Journal of Applied Eng & Management
47.	Chemistry	Development of nano-crystalline multilayer Ni-Fe alloy coatings.	Dr. Pavitra G.P.	Bulletin of Material Science.
48.	Chemistry	Electrodeposition of Zn-Ni Monolithic Coatings.	Dr. Pavitra G.P.	Journal of Failure Analy And prevention
49.	Chemistry	Development of nano-structured Ni-Fe Alloy Coatings.	Dr. Pavitra G.P.	Surface Engg and Applied Elect Chemistry.
50.	Chemistry	Characterization & Corrosion Analysis of Electrodeposited.	Dr. Pavitra G.P.	Journal of Bio and Trib Corrosion.

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|-----|-------------------|---|--|--|
| 51. | Dept. of Physics. | The significant role of molecular dipole arrangements on the second and third-order nonlinear optical properties of a furan based chalcone. | Sathesh-Chandrasekhar, AP, Sureshwar, H.P, Jayaram A. | Physica B: Condensed Matter Vol: 599 412 |
| 52. | Dept. of Physics. | Role of UV irradiation of Nafion membranes on ionic groups responsible for proton conduction and mechanical strength: A FTIR spectroscopic analysis. | Rao A.S., Rashmi KR, Manjunatha DV, Jayarama, Pinto R. | Materials Today Communications Vol: 25 101471 |
| 53. | Dept. of Physics | Investigation of structural, physical, linear and nonlinear optical properties of two novel thiophene centered D- π -A type push-pull organic derivatives for nonlinear optical applications. | Davanagere H, Arasali, J, Guah C.K, Kwong H.C, Patil P.S. | Journal of Molecular Structure Vol: 1220 128763 |
| 54. | Dept. of Physics | Novel nitro based Chalcone derivative single crystals: Characterization on structural, linear optical, thermal, and third-order nonlinear optical properties. | Prabhusekar V, Upadhyaya V, Jayarama A, Madhu SR, Patil PS | Applied Physics A: Materials Science And Processing Vol: 126 11855 |
| 55. | Dept. of Physics. | Significant effect of film thickness on morphology and third-order optical nonlinearities of CdTe $\times$ ZnO semiconductor nanostructures for optoelectronics. | Bairagi R, Jayarama A, Murari M.S. | Applied Physics A: Materials Science And Processing Vol: 126 8683 |
| 56. | Dept. of Physics | A novel bromo-substituted thiophene based | Haleshappa D, Jayarama | Physica B: Condensed |

		Centrosymmetric Crystals: Thermal, mechanical, and third order NLO properties for the optical limiting applications.	A. Quah CK, Kuong HC	Materials Vol: 585 412083
57.	Dept. of Physics	Methanol crossover reduction and Power enhancement of methanol fuel cells with polyvinyl alcohol coated Nafion membranes	Rao, Arjun, Sunil, Rashmi, K.R, Manju-natha D.V, Jayarama A, Shastri math V, Venka Devi, Pinto Richard	Materials Today Proceedings
58.	Dept. of Physics.	Structure and property relationship of methoxy substituted novel organic crystals for photonic applications	Haleshappa D, Jayarama A, Patil, Parutagouda, Shankara-gouda	Materials Today Proceedings
59.	Dept. of Physics.	Investigation of Physical spectral and thermal properties of a dimethoxy substituted chalcone for optoelectronic device applications.	Menezes, Anthony, Braulen, Jayarama A, Ravindra H J	Materials Today Proceedings
60.	Dept. of Physics	Synthesis, Growth, Hirschfeld surface analysis and crystal structure of a pyridine based chalcone single crystal	Menezes, Anthony, Braulen, Jayarama A, Ravindra H J	Materials Today Proceedings
61	Dept. of Physics	Structural, linear and non linear optical characterization of Ni and Al Co-doped	Bhagprakash M, Abhishek B Acharya, Hrushikesh	Materials Today Proceedings.

		Cdo semiconductor nanostructures for nonlinear optical device applications.	Bairiy, Raghavendra Bhat, Shashi dhara Bhat, Vijeth, H Murari, MS Jayarama A Pinto Richard	
62	Dept. of Physics	Simulation and analysis of P(VDF-TrFE) cantilever beams for low frequency applications.	Rashmi KR, Rao Arjun, Sunil, Shastri math V Veena Devi Jayarama A Pinto Richard	Materials Today Proceedings.
63	Dept. of Physics	Synthesis, growth and NCO studies of a novel pyridine centered Chalcone derivative.	Ganapayya B, H, Haleshappa D, Jayarama A, Shetty Shruti S, Dhormapratap Sm, Pinto Richard	Materials Today Proceedings.
64	Dept. of Physics	Thermal, mechanical and linear optical studies of pyridine based trimethoxy substituted chromophore for NLO applications	Ganapayya B, Haleshappa D Jayarama A Shetty Shruti S Kumar, K Shashi Pinto Richard	Materials Today Proceedings
6				
65	Dept. of Physics	Optimum hydrogen flow rates & membrane-electrode clamping pressure in hydrogen fuel cells with dual-serpentine flow Channels	Castelino Preetam, Shah Amit, Gokhale Mahesh Jayarama A, Suresh KV, Fernandes R Prabhhu	Materials Today Proceedings

			S. Sridharan, Duttagupta, Siddhartha, Pinto Richard	
66.	Dept. of Physics	Development of novel porous membrane for filtration of dump yard ground water contaminants	Deekshitha, K, Rebello, Nalini, Ramaprasad, AT, Jayarama A, Pinto Richard	Material Today Proceeding
67.	Dept. of Physics	Novel methyl furan based chalcone material for potential nonlinear optical applications.	Satheeshchandra S, Namratha WN, Halshappa Jayarama A, Shetty Nandakumar Pinto Richard.	Material Today Proceeding
68.	Dept. of Physics	Preparation, characteriza- tion and study on the nonlinear optical parame- ters of novel biphenyl-4- carbohydrazide deriva- tives.	Kamath, Looriminarayana, Bairy, Raghavendra, Jayarama A, Narayana B, Gummaga, Neelamma B Patil Parudaguda Shankargouda Samshuddin S.	Material Today Proceeding
69.	Dept. of Physics	The pivotal role of the pyridine ring in enhancing second order nonlinearity in methoxy substituted chalcones.	Menezes Anthony Pradeem, Jayarama A Raghavendra S.	Material Today Proceeding
70.	Dept. of Physics	Structural, morphological and optical properties of barium doped bismuth ferrite thin films deposited by spray pyrolysis.	Shastri math, V Veena Devi, Bairy Raghavendra, Murali, ms Jayarama A	Materials Today Proceeding

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|----|------------------|---|--|------------------------------------|
| 71 | Dept. of Physics | Synthesis, growth and structural characterization of 1-(furan-2-yl)-3-(2, 4, 6-trimethoxyphenyl) prop-2-en-1-one crystal | Pinto Richard
Chandro,
Sathesh,
Anusha B.M,
Haleshappa D
Jayarama A
Shetty Nandakumar
Pinto Richard | Materials
Today
Proceedings |
| 72 | Dept. of Physics | Structural, linear and nonlinear optical properties of CdTe ⁿ xAl _{1-x} S semiconductor nano-structures: Influence of film thickness. | Bairu,
Raghavendra,
Jayarama A
Murari MS. | Materials
Today
Proceedings. |
| 73 | Dept. of Physics | Third order nonlinear optical properties of novel furan based organic crystal | Satheshchandra S,
Namathak W
Haleshappa D
Jayarama A,
Shetty Nandakumar,
Pinto Richard | Materials
Today
Proceedings |
| 74 | Dept. of Physics | Crystalline and optical properties of new synthesized chalcone compound (2E)-1-(4- ϵ^2 -bromobiphenyl-4-yl)-3-(2, 3-dichlorophenyl) prop-2-en-1-one. | Vinutha PR,
Kaliprasad CS,
Jayarama A,
Narayana Y. | Materials
Today
Proceedings |
| 75 | Dept. of Physics | Role of Zn in tuning the structural, morphological and optical properties of V ₂ O ₅ nanostructures deposited by spray pyrolysis. | Rai Sandesh Kumar, Rai Rajish, Bairu Raghavendra Murari MS,
Jayarama A
Pinto Richard | Materials
Today
Proceedings. |

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|-----|------------------|--|--|--|
| 76. | Dept. of Physics | Power enhancement of passive micro-direct methanol fuel cells with self-sulfonation of P(VDF-TrFE) copolymer during lamination of Nafion membrane | Rao AS, Manjunatha D.V, Jayarama A, Acharya V.G, Duttagupta S.P, Pinto R | International Journal of Hydrogen Energy Vol: 44 57 30375 3038 |
| 77. | Dept. of Physics | Power size tuning of Nafion membranes by UV irradiation for enhanced proton conductivity for fuel cell applications | Rao A.S, Rashmi K.R, Manjunatha D.V, Jayarama A, Prabhu S, Pinto R | International Journal of Hydrogen Energy Vol: 44 42 23762 2377 |
| 78. | Dept. of Physics | Piezoelectric P(VDF-TrFE) micro cantilevers and beams for low frequency vibration sensors and energy harvesters. | Rashmi K.R, Rao A.S, Jayarama A, Pinto R | Sensors and Actuators Physical Vol: 295 574 58 |
| 79. | Dept. of Physics | Role of Zn in tuning the band gap, surface morphology, photoluminescence and optical nonlinearities of CdO nanostructures for photonic device applications | Bairav R, Jayarama A, Kulkarni S.D, Murari M.S, Vijeth H. | Materials Research Express Vol: 6 996 44 |
| 80. | Dept. of Physics | Enhancement of power output in passive micro-direct methanol fuel cells with optimized methanol concentration and trapezoidal flow channels | Rao A.S, Rashmi K.R, Manjunatha D.V, Jayarama A, Pinto R | Journal of Micromechanics and Micro-engineering Vol: 29 775 00 |
| 81. | Dept. of Physics | Low frequency piezoelectric P(VDF-TrFE) micro-cantilevers with a novel MEMS process for vibration sensor and energy harvester applications | Rashmi K.R, Rao A.S, Jayarama A, Pinto R | Sensors and Materials Structures Vol: 28 66 50 |

S2.	Dept of Physics	Novel benzofuran based chalcone material for potential nonlinear optical application	Satheshcham, Haleshappa D, Rohith S, Jayarama A, Shetty N	Physica B: Condensed Matter Vol: 560 191-196
S3.	Dept. of Physics	The structural & third order nonlinear optical studies of a novel nitro group-substituted chalcone derivative for nonlinear optical applications.	Davamagouh, Jayarama A, Patil, P.S.G, Maiduri, S.R, Quah C.K, Kwong H.C	Applied Physics A: Materials Science and Processing Vol: 1255-309

3. Funds / Grants Received :

A total of 08 Final year projects were funded by KSCST for academic year 2019-20 with an amount of RS.36,500.

4. Student Publications :

The details about student publication are given in the below table.

Sl.No.	Department	No. of Students Publication
1.	CSE	16
2.	ISE	12
3	ECE	27

IGAC inquired about zero publications from ME which was good in earlier years. HOD of ME gave clarification that.

E. Industry Institute Interaction:

1. Internships: In the academic year 2019-20, the 09

students from CSE and 07 students from ISE took internship in IIIT, Allahabad, 06 student in ISRO Headquarters, 25 in Dlithe, 03 in RRSC, 04 in NRSC and 04 in NARL. From Mechanical Engineering department 35 students took internships in companies like ACE manufacturing systems, Adient Internship, BEML LTD, mysovi, BHEL, HAL, JSW Bellary, Mahindra Logistics, Myco Industries Mumbai etc. 63 students from MBA took internships in various companies. The internship work of the span 15-45 days.

2. MoU/s signed in this Year:

Sl. No	Name of the Institution/Industry / Corporate House	Date	Duration
1	Mangalore University, Mangalore	23 Aug 2019	5 Years
2	Techgig	14 May 20	

3. Industrial Visit:

The students of ME visited to SKF Elicon India Pvt Ltd. Moodbidri also visited Fronius Centre for Welding Technology, NMANIT-Nitte on 11 Feb 2021.

F. Mandatory Clubs:

The IQAC committee expressed its satisfaction over the formation of mandatory committees formed in the institution and the effective functioning of the same. Committee suggested to continue the same and if any issue is reported immediate action needs to be initiated.

G. Social Outreach Programs:

1. The cadets of Air Wing NCC participated in Parisara sammelana on 01 Mar 2019, awareness on water conservation 15 Mar 2019, online awareness on tree plantation 12 Jul 2019, online participation on Aatma Nirbhar Bharat in Aug 2020, Fit India movement in Aug 2020 Blood donation program 22 Nov 2020, Swachta abhiyan 05 Dec 2020, Coastal cleanup program on 27 Dec 2020.

2. E-Shikshana: A Rural Education Camp was organized by the Dept. of TSE for the students of Govt. High School, Narkere, Moodbidri on 24 Feb to 01 Mar 2020.

3. Varishtakreedakoota: A charity Event was organized by dept. of ME on 09 Jan & 10 Jan 2021. The raised amount of Rs. 10,000 donated to Spandana Charitable Trust, Manipal.

Agenda 03: Presentation of Curricular, co-curricular and extracurricular activities of 2019-20 Even & 2020-21 Odd Semester.

Placements:

A total of around 40 companies visited to campus in the academic year 2019-20. In these, a total of 164 students received the offer letter through campus placements and 42 students received placements through pool campus. Visited prominent companies are EY, TESK Systems, Wipro, Mphasis, Mavantic etc.

Ph.D Awards:

Ph.D Mohan Reddy, faculty of Chemistry department completed his PhD on Feb 2020

NCC:

This campus was provided to 06 Kar Singh NCC, Mangalore to conduct Annual Training Camp from 18 Jan to 27 Jan 2020.

Spots:

1. AIET Badminton Team (Women) runners in VTU Inter Collegiate Mangalore Zone Badminton Championship, held at NMAMIT NITTE on 24th to 25th Sept. 2019.
2. AIET Power lifting gold medal winner in VTU Inter Collegiate Power lifting Championship, held at NMAMIT NITTE from 30th & 1st Oct 2019.
3. AIET Weight lifting men team secured 2 gold 2 bronze in VTU Inter collegiate Weight lifting Championship, held at SCE Bangalore from 14th & 15th Oct 2019.
4. AIET Swimming men team secured 3 bronze medal in VTU Inter Collegiate Championship, held at MSRIT Bangalore on 18 Sept 2019. Also secured 3 gold 4 silver 3 bronze in Rescue National Life Saving Sports Championship, held at DTU (UT) on 20 to 25 Oct 2019 (Shravan Boloti, VII Sem ECE)
5. AIET Athletic Team (men & women) prize winners runners in VTU Inter Collegiate Inter Zonal Athletic Championship, held at SJCT Chikkaballapur 24th to 25th Nov 2019.

Agenda 4: Any Other discussion with the Permission of the Chair.

The various departments, clubs and committee has presented the SPP with little uncertainty due to pandemic situation.

In this regard the IQAC members have encouraged all the students & staff to actively involve in the planned activities for education, as everyone of us succumbing from COVID-19 pandemic. Hence SPP is approved.

The meeting is concluded by thanking all.

IQAC Chairman

AIET Milar