



**VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS_Kilimanoor,
Thiruvananthapuram
Accredited by NAAC with B++ Grade
“A Unit of Vidya International Charitable Trust”**

WEDNESDAY NEWS

Issue No: 145 1st April to 30th April ,2023

❖ EVENTS/TALKS/SEMINARS/CONFERENCES

❖ CAREER COUNSELING PROGRAMME FOR HIGHER SECONDARY STUDENTS AND PARENTS- “WHAT NEXT AFTER +2”

Vidya Academy of Science and Technology Technical Campus, Kilimanoor organized a Career Counseling Programme on **11th April, 2023**. The programme started at **9:30AM** with a prayer song by the students of VAST TC. After the prayer the program was formally inaugurated by Principal **Dr. T Mathavaraj Ravikumar** with a welcome speech. The session was handed over to the Career Guru. He emphasized on the **4Ws and 1H- WWWWH**. The acronym of WWWWH can be expanded as below:

- 1. W- Why- “Why we need to study”**
- 2. W- When- “When we need to study”**
- 3. W- What- “What we need to study”**
- 4. W- where- “Where we need to study”**
- 5. H- How- “How we need to study”**

The expert explained the importance of the above acronym and made sure that the students understand the significance of selecting a strong course to have a secured life. He mentioned that the most sustainable courses are: Engineering, Medicine, Paramedical courses and Management. He suggested that degree courses are more welcomed than diploma courses. He gave the statistics of almost all the courses available. It was an interactive session as students queried about the courses and the expert answered the query with facts and figures. The parents also asked the expert about various courses and clarified their doubts. Participants actively participated throughout the session.

The session ended at **12:30PM**. A memento was presented to the Career Guru as a token of gratitude by the **Director Brig. K S Shaji** and **Principal Dr. T Mathavaraj Ravikumar**. The session was


coordinated by Mr. Lenin Babu(Asst.Prof,CE) - Admission Coordinator and Mr.Ajayakumar A G(Asst.Prof,ME) - Event coordinator under the support of area coordinators Ms.Ansha Shakeer(Asst.Prof,CSE-Kadakkal area) ,Mr.Arun K.L(Asst.Prof,ME-Killimanoor area), Ms.Pooja M.S (TI,CE-Kottarakkara area), Mr.Midhun S.S(Asst.Prof,ME-Pallikkal area), Mr.Suraj S.R (Asst.Prof,CSE,Varkala area), Ms.Neeraja Shenoy(Asst.Prof,ECE-Pirappancode area), Ms.Sreejith.S.Nair(Asst.Prof,ME-Anchal area) and Ms.Rini Madhavan Rajeev(Asst.Prof,CE-Attingal area). A total of 507 participants participated in the session ,out of which there were 429 +2 students and 78 parents.

GLIMPSES OF THE SESSION






PROGRAM POSTER




Vidya Academy of Science and Technology
Technical Campus, Kilimanoor
 A Unit of Vidya International Charitable Trust

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What Next After +2 ?

**Career Counseling Programme
 for higher secondary students &
 their parents**




11th April 2023 , 9:30 am
@ VAST TC KILIMANOOR



Dr. P R Venkitaraman
Career Guru

For more informations

Register Now

 **9037179408, 8078334246**

<https://forms.gle/fg8bR6NJe1QLBFog6>

NEWS PAPER CUTTINGS

കരിയർ ഗൈഡൻസ്

കിളിമാനൂർ: വിദ്യാ എൻജിനീയറിംഗ് കോളേജിന്റെ ആഭിമുഖ്യത്തിൽ പ്ലസ് ടു വിദ്യാർത്ഥികൾക്കായി കരിയർ ഗൈഡൻസ് സെമിനാർ നടത്തുന്നു. നാളെ രാവിലെ 9.30 മുതൽ ഉച്ചവരെ വിദ്യാ എൻജിനീയറിംഗ് കോളേജിൽ നടത്തുന്ന സെമിനാറിൽ പ്രശസ്ത കരിയർ ഗുരു ഡോ. പി.ആർ. വെങ്കിട്ടരാമൻ ക്ലാസുകൾ നയിക്കും. പങ്കെടുക്കുന്ന കുട്ടികൾക്കും രക്ഷിതാക്കൾക്കും വാഹന സൗകര്യം ഉണ്ടായിരിക്കും. വിശദവിവരങ്ങൾക്ക് ഫോൺ: 90371 79408.

വിദ്യാ എൻജിനീയറിംഗ് കോളേജിൽ കരിയർ ഗൈഡൻസ്

Wednesday 12 April, 2023 5:40 AM



ഈ വാർത്ത കേൾക്കാം

കിളിമാനൂർ: തട്ടത്തുമാല വിദ്യാ എൻജിനീയറിംഗ് കോളേജ് കാമ്പസിൽ കരിയർ ഗൈഡൻസ് പ്രോഗ്രാം സംഘടിപ്പിച്ചു. വിദ്യാ സ്റ്റുഡന്റ് സപ്പോർട്ട് സെല്ലാണ് പരിപാടി സംഘടിപ്പിച്ചത്. സെമിനാറിൽ കരിയർ ഗുരു ഡോ. പി.ആർ. വെങ്കിട്ടരാമൻ ക്ലാസെടുത്തു. തിരുവനന്തപുരം, കൊല്ലം ജില്ലയിലെ വിവിധ സ്കൂളിൽ നിന്നായി അറുന്നൂറോളം വിദ്യാർത്ഥികളും രക്ഷിതാക്കളും പങ്കെടുത്തു. കിളിമാനൂർ വിദ്യാ എൻജിനീയറിംഗ് കോളേജ് ഡയറക്ടർ റിട്ട. ബ്രിഗേഡിയർ കെ. എസ്. ഷാജി, പ്രിൻസിപ്പൽ ഡോ. ടി. മായവരാജ് രവീകുമാർ, വിദ്യാ ഇന്റർനാഷണൽ പാരിറ്റബിൾ ട്രസ്റ്റ് കോഓർഡിനേറ്റർ അനിത വിജയൻ, വൈസ് പ്രിൻസിപ്പൽ കെ. വിജയകുമാർ, പ്രോഗ്രാം കൺവീനർ ലേനിൻ ബാബു, കോഓർഡിനേറ്റർ എ. ജി. അജയകുമാർ എന്നിവർ നേതൃത്വം നൽകി. സെമിനാറിന് ശേഷം വിദ്യാർത്ഥികളുടെയും രക്ഷിതാക്കളുടെയും സംശയങ്ങൾക്ക് ഡോ. പി.ആർ. വെങ്കിട്ടരാമൻ മറുപടി നൽകി.

❖ **STUDENTS ACHIEVEMENTS**

❖ **PLACEMENT(2022- 2023) :-**

Sl. No	Name of the Company	No of students Placed
1.	TCS	1
2.	Quest Global	2
3.	NeST Digital	4
4.	SUTHERLAND	47
5.	Sakthi Auto Ancillary Pvt. Ltd	40
6.	Poornam Info Vision	11
7.	IBIL	2
8.	UL Technology Solutions Pvt Ltd (ULTS)	1
9.	Indo Shell Mould Pvt Ltd	22
10.	WeberFox Technologies	2
Total		132

❖ The following students got placed in **WeberFox Technologies** and selected for the position of **Assistant Manager – Marketing & Sales (Trainee)**

1. **Muhammad Nazeem N (CSE)**

2. **Sandra S P (CSE)**

❖ The following students of S8 (ECE, EEE, CSE, ME & CE) - 2023 passout are placed at **SEA SENSE** Softwares as “**Junior Developer**”.

1. Subeeshdev BS - ECE
2. Abhinjith A P - EEE
3. Anandu Krishnan - EEE
4. Abhiram AB Nair - EEE
5. Vidya Venugopal - EEE
6. Anjana A R - CSE
7. Arsha Raj S R - CSE
8. Arya Anil B - CSE
9. Krishna B Nair - CSE
10. Jithin Madhav - CSE
11. Sandra S P - CSE
12. Muhammad Nazeem N - CSE
13. Jeevan P Kumar - ME
14. ARSH.G - ME
15. Hemanth B M - ME
16. Vaishnav M S - ME
17. Savin S - ME
18. Akshay A R - ME
19. Sibin Sasikumar - ME
20. Amina AR - CE
21. Ganga Nair J - CE
22. Sana Salim - CE

❖ **Ms.Chinchu Lekshmi, Ms.Apsara R, Ms.Gauri C G and Ms. Gouthami C G (S4 CSE)** participated in **Red Hat IT Aptitude Test-India 2023** and scored percentile ranks of 27,35, & 77 respectively.





❖ SEVEN DAYS BOOTCAMP

→ Arya S (S2 ECE) participated in a 7 days bootcamp on “Hotstar Clone using HTML & CSS” conducted by Devtown in collaboration with MLSA KIIT Chapter and GDSC KIIT Chapter on March 2023



→ **Shabana S Ayoob (S2 ECE)** participated in a 7 days bootcamp on “**Web Animation using CSS**” conducted by Devtown in collaboration with MLSA KIIT Chapter and GDSC KIIT Chapter on **March 2023**



❖ WORKSHOP

❖ Subi O Kuttan and Srijith S (S2 students, ECE) attended workshop as a part of

DHANAK 2K23: Annual cultural fest organized by “Indian Institute of Space Science and Technology” on the topic “Data Science” on 19 March 2023.





- ❖ **Manu V and Devayani James (S2 students, ECE Department)** attended workshop as a part of **DHANAK 2K23: Annual cultural fest** organized by “Indian Institute of Space Science and Technology” on the topic “Augmented Reality & Game Development” on **19th March 2023**.





❖ **STAFF ACHIEVEMENTS**

❖ **PUBLICATIONS**

❖ **Dr.Unnikrishnan M.A(Asst.Prof -ME)** published a paper entitled “ **Challenges on friction stir welding of magnesium alloys in automobiles**” published in Materials today : proceedings ,Elsevier.DOI details:<https://doi.org/10.1016/j.matpr.2023.03.789> 2214-7853/Copyright Ó 2023 Elsevier Ltd.

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Challenges on friction stir welding of magnesium alloys in automobiles

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ABSTRACT

The most important advancement in metal joining during the last few decades is the Friction Stir Welding (FSW) process. Stir welding magnesium or light weight alloys. Offer several benefits. Due to its advantages in lightweight construction, friction stir welding of magnesium alloys are widely used in the aerospace, marine, railway sector, particularly in automobile and truck, where they may significantly increase fuel economy and reduce emissions. Research and development in the area of FSW and related technologies have recently been advancing rapidly on a global scale. The fundamental of friction stir welding and a number of characteristics of friction stir welded magnesium alloys have been discussed in this article. Furthermore, this review paper the summary of the present status of friction stir welding of magnesium alloys with automotive application. In addition to that, the properties, structure, formability and wear behavior of magnesium alloys have been described.

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1. Introduction

Transportation industry is still facing challenges today though the technology has been developed so far. The major concern factor is the environmental impact which includes the CO₂ emissions which must be reduced and is directly linked with the fuel efficiency and overall weight of the vehicle. Therefore, the automotive manufacturers are in a constant effort of reducing the weight of the components as it will substantially influence the fuel efficiency of the vehicle. This demand for light weight structures has put focus on many alloys rather than metals as alloys possess wider properties than metals. Magnesium (Mg) alloys contains significant material properties such as, low density, light weight, excellent corrosion resistance and good mechanical properties at high temperatures. Also it includes, manganese, silicon, copper, zinc, niobium, strontium and other metals. The hexagonal lattice structure of magnesium alloys has an impact on their basic characteristics [1].

Mg alloys may be spot-welded almost as readily as aluminum, however prior to the weld being created, scratch brushing or chemical cleaning is required. The easiest methods for fusion welding use procedures that use an inert shielding environment of argon or helium gas. There is a great deal of misunderstanding out there about the fire risk while manufacturing magnesium alloys. It is true that magnesium alloys are very flammable when they are broken down into small pieces, like powder or tiny chips, and this danger should never be disregarded. To prevent burning beyond 427 °C, a non-oxidizable oxygen free environment is necessary. The non-oxidizable magnesium alloy AM60B2 is created by adding 0.5 calcium by weight to the magnesium alloy AM60. Since stable RE-Mg intermetallic compounds may form at both low and high temperatures, rare earths can enhance the mechanical characteristics of materials based on magnesium. Nevertheless, the low strength and poor wear resistance of magnesium alloys restricts their use in structural and anti-friction applications. According to prior research, Mg matrix composites made by adding secondary particles with Mg may greatly slow down corrosion and decomposition rates. This increases strength and corrosion resistance.

Kubicki [2] reviewed that proper selection of alloys will essentially reduce the overall weight and thereby achieving the desired performance. The weight reduction criterion has so many advantages such as better performance levels, low emissions, bet-

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- ❖ Ms. Niraja J Shenoy and Ms. Krishna Prathibha S.R (Asst. Prof-ECE) Published a paper entitled as “Gradient Operator based Image Fusion” in International Journal of creative Research Thoughts Volume 11, Issue 4, 2023

Certificate of Publication



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Volume 11 Issue 4 April 2023 , Date of Publication: 10-April-2023
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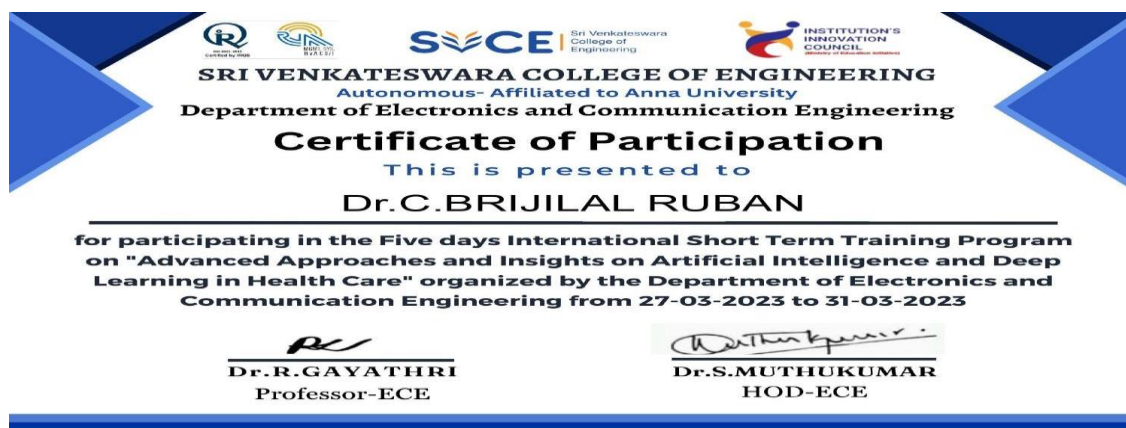
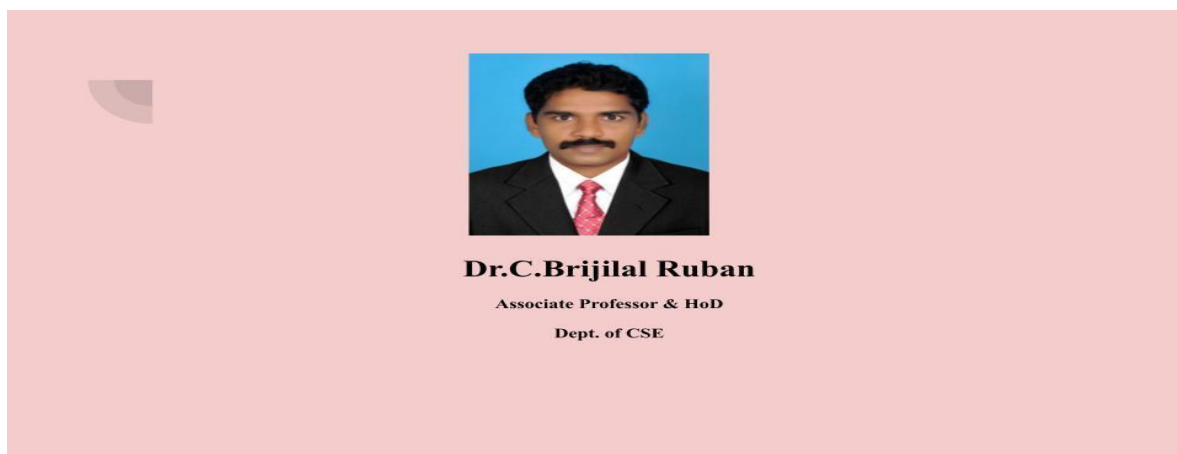
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❖ **FDP**

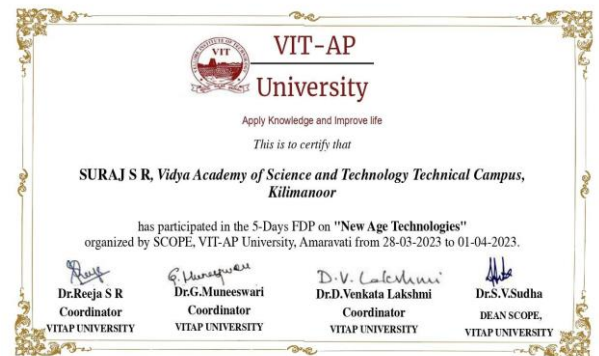
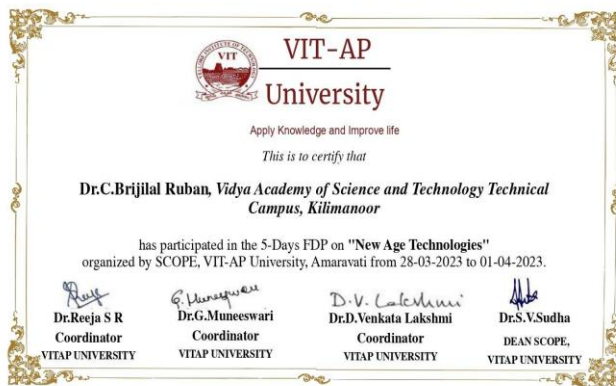
- ❖ **Dr.C.Brijilal Ruban, Associate Professor & HoD, Department of CSE**, participated five days International Short Term training Program on **“Advanced Approaches and Insights On Artificial Intelligence and deep Learning”** organized by the Department of Electronics and Communication Engineering ,Sri Venkateswara College from **27-03-2023 to 31-03-2023**.



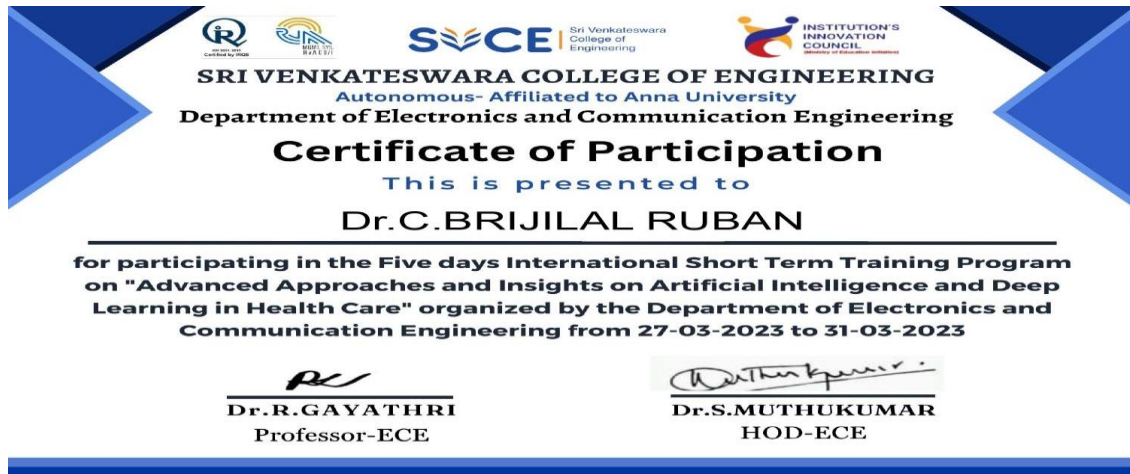
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SampleCertificates

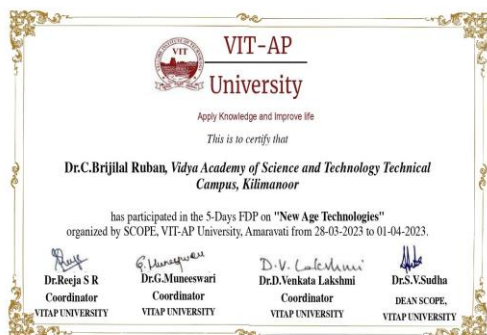
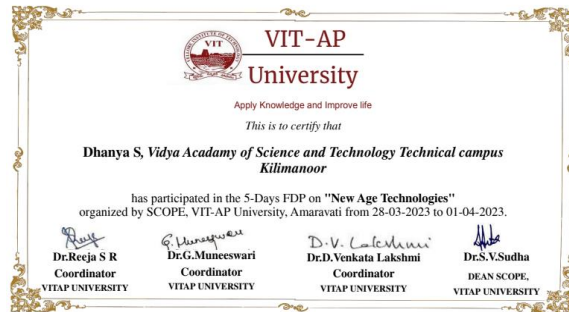


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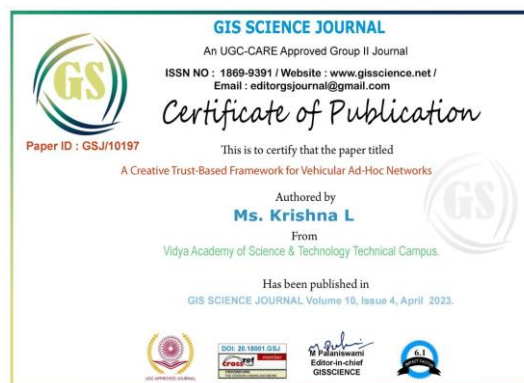
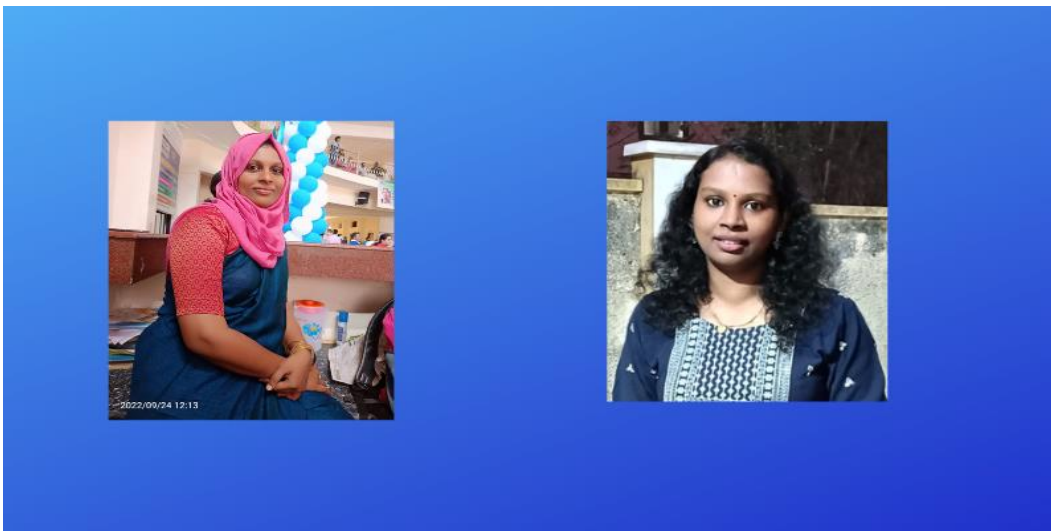
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● **Sample Certificates**





❖ Ms Ansha Shakeer and Ms Krishna L published a paper “A Creative Trust-Based Framework for Vehicular Ad-Hoc Networks " in GS Journal Volume 10, Issue 4, 2023.



- ❖ **Ms.Ashly K John and Ms.Jisha Raj T(Asst.Prof-CSE)**attended a four-day faculty development programme on **Software Testing** organized by Department of Computer Science and Engineering at Indira Gandhi Institute of Polytechnic and Engineering on **3rd, 4th, 17th & 18th March, 2023.**



- ❖ **Ms.Ashly K John and Ms.Jisha Raj T(Asst.Prof-CSE)** participated in the Online Workshop on “**Software Testing**” organized by the Department of Computer Science and Engineering at Indira Gandhi Institute of Polytechnic and Engineering on **26th March 2023.**



CONTRIBUTORS TO THIS EDITION

Dr. T. Mathavaraj Ravikumar (Principal), Ms Rini Madhavan Rajeev (Asst.Prof-CE), Mr. Unnikrishnan M (Asst. of -ME) , Ms.Jisha Raj.T (Asst. of- CSE), Ms.Indhulekha Jayachandran(Asst.Prof-EEE), Ms Abha .L (Asst.Prof-ECE) and Ms. VigithaVidyadhar (Asst.Prof - AS), Ms.Aswathy S., PA to Principal.

SUGGESTIONS & SUPPORT

We value your suggestions for improvement. For contact or assistance on related matters please send us an email to wednesdaynews@vidyacklmr.ac.in. We shall get back to you at the earliest.

Wednesday News Team