Internet Society Learning

Internet Society Foundation

Internet Society India Bengaluru Chapter

Bootcamp Report

2026



DDCN

1

The Designing and Deploying Computer Networks (DDCN) bootcamp combined expert-led lectures, hands-on labs and a collaborative campus network design challenge. Participants explored IP addressing, routing, VLANs, DNS, firewalls and other networking fundamentals while developing teamwork and problem-solving skills. The program united students, young tech enthusiasts, and digital inclusion advocates from across the country.

CNRA

The Community Network Readiness Assessment (CNRA) is a foundational program that prepares individuals, civil society groups and grassroots organizations to plan and deploy community networks in underserved areas. Through practical learning, participants explore community engagement, technical feasibility, financial planning, and sustainability models, gaining the skills to build inclusive, community-focused and sustainable connectivity solutions.

2

BWCN

3

The Building Wireless Community Networks (BWCN) program united DDCN alumni, students, and community technologists to promote digital inclusion. Through hands-on workshops and field exercises, participants learned wireless mesh networking, signal propagation, spectrum planning, and power solutions. Using real hardware and open-source tools, they built and tested wireless links, developing practical skills for community network deployment.

Our Objectives

01

Gain hands-on experience through practical activities and exercises.





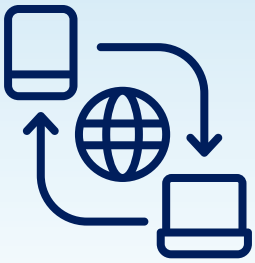
02

Develop practical skills in designing and deploying wired and wireless networks.

03

Explore wired and wireless transmission methods.





04

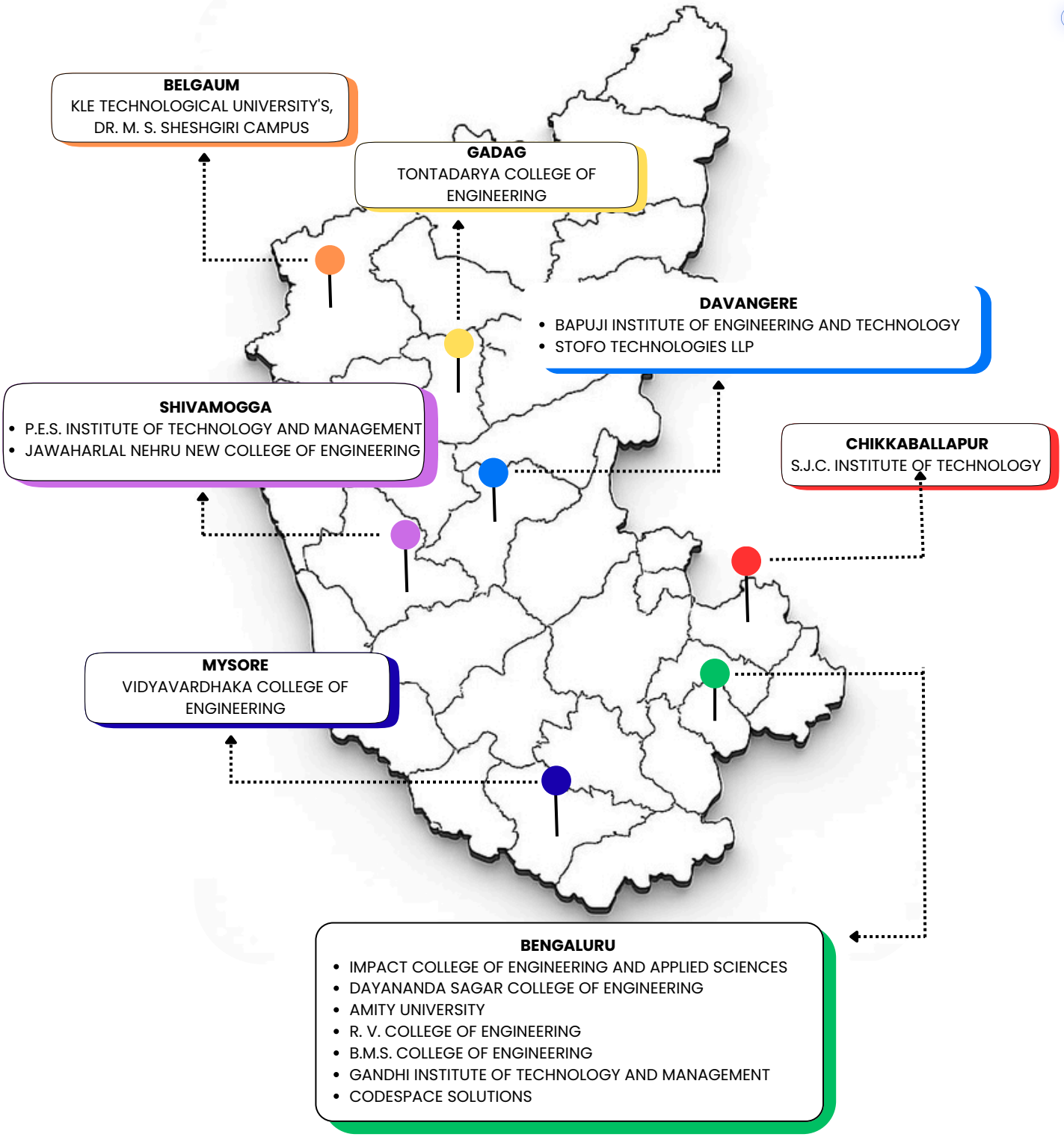
Connect participants with the community, mentors and domain experts.

05

Enhance foundational understanding of computer networking principles and protocols.



Participants Overview



Testimonials



SANDEEP MISHRA

Trainer, Ubiquiti

It was a privilege to serve as a trainer at the Internet Society's BWCN Train-the-Trainers Bootcamp. Interacting with enthusiastic participants from various colleges and witnessing their curiosity, discipline, and passion for learning made the experience truly rewarding. Grateful to the Internet Society for the opportunity to contribute to building future networking professionals through hands-on learning, collaboration, and mentorship. Looking forward to supporting more such initiatives.

DR VEENA RC

Associate professor, GITAM BENGALURU



The BWCN Bootcamp at PESITM, Shivamogga provided valuable hands-on experience in wireless networking, community network deployment, and online trust & safety. It was an enriching learning experience that strengthened technical skills, collaboration, and practical knowledge.



HARISH M

Assistant professor, PESIT SHIVAMOGGA

The 5-day BWCN Boot Camp organized by ISOC India, Bengaluru Chapter was a highly enriching learning experience that provided valuable hands-on exposure to wireless networking. The practical sessions and field activities significantly strengthened my technical skills and understanding of broadband wireless communication networks.

DR MANISHA TAPALE

Associate professor,KLE Technological University, BELAGAVI



The interactive sessions, live demonstrations, and opportunities for discussion greatly enhanced the learning experience.The hands-on exercises using industry tools and real-world deployment scenarios helped bridge the gap between theory and practice, enhancing my understanding of designing and maintaining reliable wireless networks.

Testimonials



PRAJWAL V

StoFo Technologies LLP

The CNRA and BWCN bootcamps under DDCN provided an excellent hands-on learning experience. The practical sessions, field activities, and expert guidance enhanced my technical skills and confidence in community networking. It was a valuable opportunity that motivated me to contribute to future digital inclusion initiatives.

DR VISHWANATH V.K

Assistant professor, BIET DAVANAGERE

The 5-day BWCN Boot Camp organized by ISOC India, Bengaluru Chapter was a highly enriching learning experience that provided valuable hands-on exposure to wireless networking. The practical sessions and field activities significantly strengthened my technical skills and understanding of broadband wireless communication networks.





TAMANNA SHARMA

Senior Analyst, TEKsystems

My experience at the BWCN was truly amazing. I received hands-on training with advanced industrial-grade networking devices, which provided valuable practical knowledge and enhanced my technical skills. This experience will greatly benefit my career and I look forward to participating in more boot camps in the future.

MANJUNATHA G

Assistant professor, PESIT SHIVAMOGGA

The ISOC BWCN Bootcamp at PESITM, Shivamogga, was an excellent hands-on learning experience that enhanced my knowledge and practical skills in community networking. I sincerely thank ISOC, the trainers, organizers, volunteers and PESITM for their support and guidance. The experience and connections gained will be valuable in my academic and professional journey.



E-Learning Platform

For the **DDCN course**, the E-learning journey began with registrations opening on **27th JAN, 2026**. Learners accessed a structured platform where they started self-paced learning from **JAN 30th**, working through **12 carefully designed modules**. Weekly **one-hour live sessions** between **FEB 10th and FEB 21st** offered a space to clarify doubts, engage with mentors and reinforce concepts, ensuring that participants were **well-prepared before the hands-on bootcamp**.

The **CNRA course**, which commenced on **APRIL 13th, 2026**, followed a similar blended model. Participants accessed curated content through the **E-learning** platform and were encouraged to **complete assignments** and **module requirements** ahead of the bootcamp. This structure ensured that learners arrived with a strong theoretical foundation, ready to dive into advanced discussions and technical deep-dives during the in-person sessions.

In the **BWCN course**, registrations started on **June 09th, 2026**, and learners immediately began exploring the **12 modules** via the **E-learning portal**. Participants engaged in guided self-learning with mandatory assignments to reinforce their understanding. Between **June 12th and July 17th**, weekly **one-hour live sessions** helped learners revisit topics, interact with mentors and build confidence **before joining the physical bootcamp**.







Hands-on Bootcamp

DDCN

The hands-on experiments conducted during the **Designing and Deploying Computer Networks (DDCN)** training provided practical exposure to various networking concepts and technologies. The sessions involved configuring network devices, establishing wireless connections, assigning IP addresses, and understanding the communication between different devices in a network. These activities helped in relating the theoretical concepts of computer networks to real-world implementations.

During the practical sessions, tools such as **MikroTik RouterOS, Cisco Packet Tracer and winbox** were used to configure, analyze, and troubleshoot network communication. We performed activities related to routing, network configuration, packet analysis, and wireless network deployment. Observing network packets and analyzing their behavior helped in developing a better understanding of protocols and data transmission.

Overall, the hands-on experiments enhanced our practical networking skills and improved our ability to design, configure, monitor, and troubleshoot computer networks. The practical experience gained through these activities was valuable in understanding how networking concepts are applied in real-world environments.

Glimpses of DDCN FDP Bootcamp - 2026

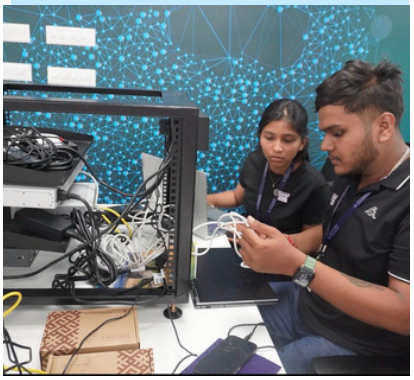
















Hands-on Bootcamp

BWCN

The hands-on experiments conducted during the **Building Wireless Community Networks (BWCN)** training provided practical exposure to the design and deployment of wireless community networks. The sessions focused on understanding wireless communication, configuring networking equipment and establishing connectivity between different locations using wireless technologies.

During the practical sessions, we worked on configuring wireless devices, establishing wireless links, and testing network connectivity. We also gained **experience in understanding signal strength, network coverage** and the challenges involved in deploying wireless networks across different environments. These activities helped us connect **theoretical concepts with real-world network deployment.**

Overall, the hands-on experiments enhanced our practical knowledge of wireless networking and provided valuable experience in building and **troubleshooting community-based wireless networks**. The training helped us understand how wireless connectivity can be effectively established to provide network access across a wider area.

Glimpses of BWCN FDP Bootcamp - 2026















Glimpses of
WOMEN EMPOWERMENT'26











ACADAMIC HUB

BAPUJI INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVANAGERE













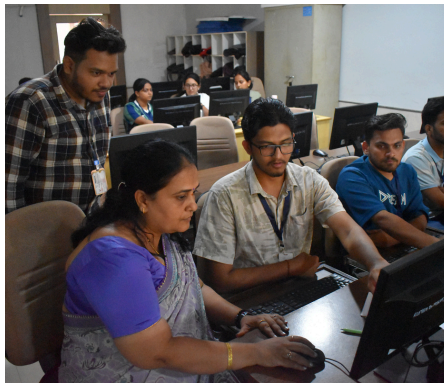
ACADAMIC HUB

KLE TECHNOLOGICAL UNIVERSITY, BELAGAVI











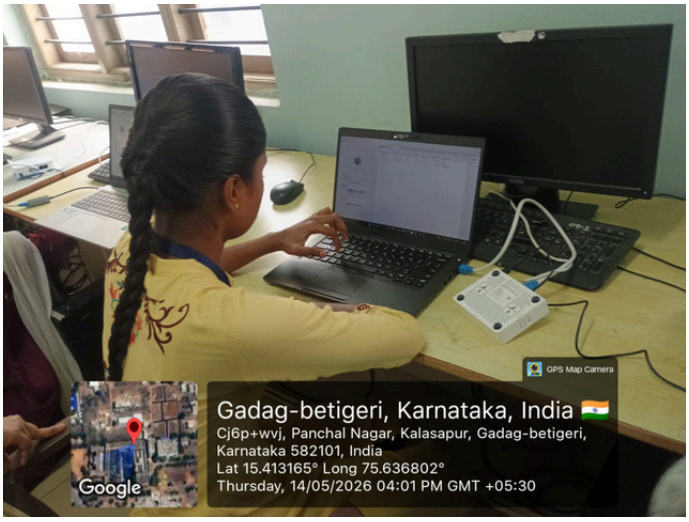


ACADAMIC HUB

TONTADARYA COLLEGE OF ENGINEERING, GADAG











GRADUATION CELEBRATION

The grand graduation ceremony at P.E.S. Institute of Technology and Management, Shivamogga on **July 17th, 2026**, marked the successful culmination of three intensive training programs:

- **Designing and Deploying Computer Networks (DDCN)**
- **Community Network Readiness Assessment (CNRA)**
- **Building Wireless Community Networks (BWCN)**

This collective celebration brought together learners, mentors and organizers to recognize the outstanding efforts of all participants who had dedicated themselves to weeks of **E-learning**, **hands-on labs** and **real-time community engagement.** The ceremony reflected not just the completion of a learning journey but the beginning of many participants' roles as active contributors to digital inclusion initiatives across communities.

The event was further elevated by the presence of **Marian Pletosu from the Internet Society Foundation** and **Hon'ble MP B.Y. Raghvendra, Member of Parliament,** who joined the celebration as distinguished guests. **Marian Pletosu** addressed the gathering with inspiring words about the global impact of community networks and the importance of grassroots leadership. Hon'ble **MP B.Y Raghvendra** also shared his valuable insights, encouraging the graduates to use their knowledge and skills to create meaningful impact in their communities.

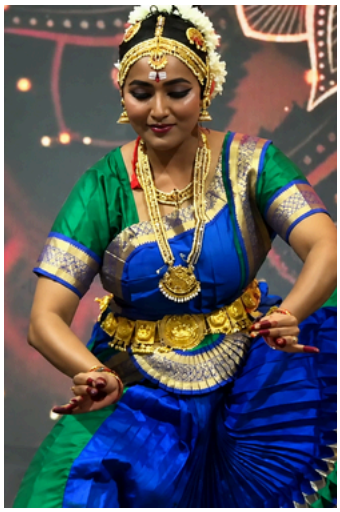
The ceremony concluded with the distribution of certificates, heartfelt reflections from the graduates and a renewed sense of purpose among the participants to contribute to a more connected, inclusive and digitally empowered future.

Glimpses Of
FDP Graduation Day - 2026

















Media Coverage

The BWCN Bootcamp received coverage across leading national and regional publications, higlighting the programme's impact and reach.

BYR: My goal is to make district a national model

EXPRESS NEWS SERVICE
@ Shivamogga

MP B.Y. Raghavendra said his goal is to make the district a national model for digital connectivity by extending reliable internet access to even the remotest villages of the Malnad region.

Addressing the valedictory ceremony of a five-day national bootcamp on *Building Wireless Community Networks (BWCN)* and *Online Trust and Safety* at PES Institute of Technology and Management (PESITM) on Saturday, Raghavendra said internet connectivity has become a basic necessity, comparable to water, roads, and electricity. The bootcamp was jointly organised by PESITM and the Internet Society (ISOC).



Our objective is to make Shivamogga a model district for digital connectivity

B. Y. Raghavendra

"Students, farmers, women, and youth in the remotest villages deserve quality internet access. Our objective is to make Shivamogga a model district for digital connectivity," he said. Raghavendra noted that the participation of international experts, including Marian Pletosu, Senior Manager for with technical support from PESITM and ISOC. "If the pilot succeeds, the project will be expanded to other underserved areas across the district," he added.

Raghavendra stressed that improved internet access must be accompanied by greater awareness of cybersecurity. He called for digital literacy programmes focusing on online fraud, fake calls, and cybercrime, particularly among women and senior citizens in rural areas. He urged the 50 engineers who completed the training programme to promote both digital skills and safe internet practices in their institutions.

Alluding to the Centre's technology initiatives, Raghavendra referred to the Union Cabinet's approval of a 62,500 crore scheme to strengthen domestic mobile phone manufacturing. He also cited BSNL's satellite phone technology and the launch of a hydrogen-powered train as examples of India's technological progress.

He welcomed the Centre's allocation of Rs 2,584.6 crore for the Small Hydro Power

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ಕನ್ನಡಪ್ರಭ

ಹಳ್ಳಿಹಳ್ಳಿಗಳಿಗೂ ತಂತ್ರಜ್ಞಾನದ ಸ್ಪರ್ಶ: ಸಂಸದ

ಪಿಐಸಿಪಿಇಎಂ ಕಾಲೇಜಿನಲ್ಲಿ 5 ದಿನಗಳ ರಾಷ್ಟ್ರೀಯ ಮಟ್ಟದ ಬೂಟ್‌ಕ್ಯಾಂಪ್‌ನ ಸಮಾರೋಪ– ಘಟಿಕೋತ್ಸವದಲ್ಲಿ ಸಮಾರಂಭ



ಪ್ರಾದೇಶಿಕ

ಹೊಸ ದಿಗಂತ 06

ರಾಷ್ಟ್ರೀಯ ಮಟ್ಟದ ಬೂಟ್ ಕ್ಯಾಂಪ್ ಸಮಾರೋಪದಲ್ಲಿ ಸಂಸದ ಬಿ.ವೈ. ರಾಘವೇಂದ್ರ

ಜಿಲ್ಲೆಯನ್ನು ಡಿಜಿಟಲ್ ಸಂಪರ್ಕ ಕೇಂದ್ರ ಮಾಡುವ ಗುರಿ



6 ಹಳ್ಳಿಗಳಲ್ಲಿ ಉಚಿತ ವೈರ್‌ಲೆಸ್ ನೆಟ್‌ವರ್ಕ್

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03 | 19-07-2026 ಭಾನುವಾರ
E-paper : www.nammanaadu.com

ಮಲೆನಾಡಿನ ಹಳ್ಳಿ-ಹಳ್ಳಿಗೂ ತಂತ್ರಜ್ಞಾನದ ಸ್ಪರ್ಶ

ಪಿಸಿಪಸ್ ಬೂಟ್‌ಕ್ಯಾಂಪ್ ಪವ್ಟರು ಘಟಿಕೋತ್ಸವದಲ್ಲಿ ಬಿ.ವೈ. ರಾಘವೇಂದ್ರ



"ಮರನಾದ್ದ ಶಪತದಲ್ಲಿ ಬಂಪೇಪ ಬಂಪ್‌ನ ಸಮಾಲೆಂಧವಲ್ಲಿ ಬಂಪಪ್ಪ, ಬಮಕೆಗಳನ ಪಪಕಪಲದಲ್ಲ ಪಳ್ಳರಪ್ಪ ಪಳಾ ಮೊದ ಪಂಪಮೆ ಕೆಂಪಪ್ಪ ಬಂದರಪಕೊಂಪಲಾ ಪಂಪಪಾಯ, ಬಿ.ವೈ. ಕ್ಷಪಾಲಪದ ಪಂಪಪಲು ಪಕಕಕ್ಷಂದ ಪಂಪಪ ಫಲಪಮಾಪನಪ ಪಂಪಕೆಪಪಡಿಪ್ಪ ಪಂಪ್ಪ ಪಕರಂಧ್ಯಂದ್ರ ಮಾಕನಾಡಿದರು' ಪಾಯತ್ತವಮು.
– ಬಿ.ವೈ. ರಾಘವೇಂದ್ರ, ಸಂಸದರು

ರಾಷ್ಟ್ರೀಯ ಮಟ್ಟದ ಬೂಟ್‌ಕ್ಯಾಂಪ್‌ನ ಸಮಾರೋಪ- ಘಟಿಕೋತ್ಸವದಲ್ಲಿ ಸಂಸದ ರಾಘವೇಂದ್ರ ಹೇಳಿಕೆ

'ಕಟ್ಟಕಡೆ ಹಳ್ಳಿಗೂ ಡಿಜಿಟಲ್ ಸಂಪರ್ಕ ಕ್ರಾಂತಿ ಗುರಿ'

■ ಉದಯವಾಣಿ ಸಮಾಚಾರ



ಶಿವಮೊಗ್ಗ: ರಾಷ್ಟ್ರೀಯ ಮಟ್ಟದ ಬೂಟ್‌ಕ್ಯಾಂಪ್‌ನ ಸಮಾರೋಪದ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಸಂಸದ ಬಿ.ವೈ. ರಾಘವೇಂದ್ರ ಮಾಕನಾಡಿದರು.

ಸೋಮವಾರ • ಜುಲೈ 20, 2026
ಪ್ರಜಾ ವಾಣಿ

6 ಗ್ರಾಮಗಳಲ್ಲಿ ಶೀಘ್ರ ವೈರ್‌ಲೆಸ್ ನೆಟ್‌ವರ್ಕ್

PARTICIPANTS OF FDP - 2026

SL.NO	NAME	COLLEGE
1	ABIRLAL MUKHERJEE	Amity University Bengaluru
2	ADITHI M	P.E.S. Institute of Technology and Management
3	AKSHAY M J	Jawaharlal Nehru New College of Engineering
4	AMRUTHA M	StoFo Technologies LLP
5	ANITHA G	Bapuji Institute of Engineering and Technology
6	ANITHA H M	B.M.S. College of Engineering
7	ASHOKAN KUMARAGURU	Codespace Solutions
8	BHARATHI R	B.M.S Istitute of Technology
9	BEENA G PILLAI	Gandhi Institute of Technology and Management
10	BHAGYA R	R. V. College of Engineering
11	CHANDANA SALUNKE	StoFo Technologies LLP
12	CHAITHANYA B N	Gandhi Institute of Technology and Management
13	DEEPA N P	Dayananda Sagar College of Engineering
14	HAMSAVENI M	Vidyavardhaka College of Engineering
15	HARISH M	P.E.S. Institute of Technology and Management
16	HRUTHWIK C	StoFo Technologies LLP
17	KRISHNA MEHAR P T	Impact College of Engineering
18	LAKSHMI B S	Vidyavardhaka College of Engineering
19	MANISHA TAPALE	KLE Technological University
20	MOHAN GOWDA V	Gandhi Institute of Technology and Management
21	MUNIRAJU M	S.J.C. Institute of Technology
22	NAGESHA N M	S.J.C. Institute of Technology
23	PAVAN M	Jawaharlal Nehru New College of Engineering

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24	PRAJWAL V	StoFo Technologies LLP
25	PRAMODA R	B.M.S. College of Engineering
26	RADHIKA PRIYA Y R	Bapuji Institute of Engineering and Technology
27	RAJASHRI KHANAI	KLE Technological University
28	RAMESH M BADIGER	Tontadarya College of Engineering
29	RENUKA R PATIL	Gandhi Institute of Technology and Management
30	RYAN DIAS	KLE Technological University
31	SANTOSH K C	Bapuji Institute of Engineering and Technology
32	SANIYA ZOYA R	StoFo Technologies LLP
33	SENDAMARAI P	Cambridge North Campus
34	SHASHI RAJ K	Dayananda Sagar College of Engineering
35	SHRADDHA C	Vidyavardhaka College of Engineering
36	SHWETHA B	Jawaharlal Nehru New College of Engineering
37	SOWMYA P	Dayananda Sagar College of Engineering
38	SHRIYA SURYAKUMAR KHANAI	KLE Techological University
39	SUNIL BEGUMPUR	Tontadarya College of Engineering
40	SWETHA B	Bapuji Institute of Engineering and Technology
41	TEJASWINI C	Cambridge North Campus
42	TAMANNA SHARMA	TekSystems
43	VEENA R C	Gandhi Institute of Technology and Management
44	VIGNESH RAMAMOORTHY H	Amity University Bengaluru
45	VISHWANATH V K	Bapuji Institute of Engineering and Technology

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