Coconut drilling machine

Final-year mechanical engineering students of SJB Institute of Technology have developed a machine that can pierce a hole in a tender coconut to drink its water and chop the fruit for eating with utmost ease and safety. The machine has a drilling and shearing mechanism that reduces human effort and makes the process safer. “The machine does not use electricity and comes as a relief to women and the differently-abled, who can now also get into this business,” says the team.

The machine can be made mobile by attaching a bicycle to it (hand or pedal operated). The students have designed the machine to store around 75 tender coconuts, so that trash can be reduced to an extent.

Angom Joshi, Arif, J. Dinesh Kumar, and Rasif Abdul Rahman, under the guidance of Shankar D.R., faculty, department of mechanical engineering, designed the machine.
Now, a machine to break coconuts

SJBIT students develop a tool that can be ‘used even by a child’

Rozann Peter

BANGALORE: A machine developed by students at the SJB Institute of Technology (SJBIT) here promises to replace machetes and sickles for drilling and cutting tender coconut. The developers say it’s so easy to use that even a child can operate it.

The machine has been developed by the final-year BE students out of concern for coconut vendors, especially the womenfolk who hesitate to take up the job fearing injury.

The students — Angom Joshi, Arif, Dinesh Kumar and Rasif Abdul Rahaman — say that the “unsafe and unhygienic” methods employed by vendors prompted them to develop the machine. The chief aim is to simplify the vendor’s job far easier and risk-free, and their business will be more convenient.”

The students conducted the project under the guidance of D R Shankar, a member of the college faculty. T Madhusudhan, Head, Department of Mechanical Engineering at SJBIT, says the idea struck the students as they found that the coconut vending business is dominated by men. He hopes the machine, which does not run on electricity, will provide employment not only to women but also to the differently abled.

The machine can钻 a hole in, and chop the coconut.

According to Madhusudhan, the new method will be totally different from the traditional “tedious, risky, and skill-oriented” one.

“The machine can be used anywhere as a hand or pedal-operated cycle can be attached to it. The students spent Rs 6,000 on developing the machine but Mahusudhan says the cost can be lowered considerably upon further research and development.

The development may also see tender coconuts being sold at malls and in hospitals.

How does it work?

The machine can drill a hole in, and chop the coconut.

According to Madhusudhan, the new method will be totally different from the traditional “tedious, risky, and skill-oriented” one.

“In the manual method, the splash of the coconut sap can stain clothes of people nearby. With this machine, there will be no such splashing. The machine has two parts — one to drill, another to shear,” Madhusudhan said.

DH News Service
ಸೂರಿಯ ಮಾದರಿಯಲ್ಲಿ ಮೇಲ್ ಗುಂಪಿಗೆ ಸೇರಿದರೆ ಜನಾಂಗದ ಭಾಗವಾದ ಪಾರ್ಶ್ವ ಅಧಿಕಾರಿಗಳ ಸಂಘಾತ

(Deep drilling the tender coconut)

ಎ ಸುಂದರಮಾರ ಪ್ರತಿಬಿಂಬವಾಗಿ ಎಲ್ಲ ಕೋಡುಗಳಲ್ಲಿ ಮೊದಲಿನ ಸೃಷ್ಟಿಯನ್ನು ಸೇರಿದರೆ, ಜನಾಂಗದ ಭಾಗವಾದ ಪಾರ್ಶ್ವ ಅಧಿಕಾರಿಗಳಿಗೆ ಸರಿಯಾಗಿ ಮೇಲ್ ಗುಂಪಿಗೆ ಸೇರಿದರೆ, ಫಲಿತಾಂಶವೊಳಗೆ ವೃತ್ತಿಯ ಸಂಖ್ಯೆಯಲ್ಲಿ ವಿತರಣೆ ಮಾಡಬಹುದು. ಈ ಸೃಷ್ಟಿಯನ್ನು ಮಹಿಳೆಯಂತೆ ಮೇಲ್ ಗುಂಪಿಗೆ ಸೇರಿದರೆ ಜನಾಂಗದ ಭಾಗವಾದ ಪಾರ್ಶ್ವ ಅಧಿಕಾರಿಗಳಿಗೆ ಸರಿಯಾಗಿ ಮೇಲ್ ಗುಂಪಿಗೆ ಸೇರಿದರೆ, ಫಲಿತಾಂಶವೊಳಗೆ ವೃತ್ತಿಯ ಸಂಖ್ಯೆಯಲ್ಲಿ ವಿತರಣೆ ಮಾಡಬಹುದು. ಈ ಸೃಷ್ಟಿಯನ್ನು ಮಹಿಳೆಯಂತೆ ಮೇಲ್ ಗುಂಪಿಗೆ ಸೇರಿದರೆ ಜನಾಂಗದ ಭಾಗವಾದ ಪಾರ್ಶ್ವ ಅಧಿಕಾರಿಗಳಿಗೆ ಸರಿಯಾಗಿ ಮೇಲ್ ಗುಂಪಿಗೆ ಸೇರಿದರೆ, ಫಲಿತಾಂಶವೊಳಗೆ ವೃತ್ತಿಯ ಸಂಖ್ಯೆಯಲ್ಲಿ ವಿತರಣೆ ಮಾಡಬಹುದು.

ಪ್ರಕಟಣೆ: ಎಲ್ಲ ಸ್ಥಳದಲ್ಲಿರುವ ನೈಸರ್ಗಿಕ ದಟ್ಟದಲ್ಲಿರುವ ಪ್ರತಿಬಿಂಬಗಳು ತಮ್ಮ ವೃತ್ತಿಯ ಸಂಖ್ಯೆಯಲ್ಲಿ ವಿತರಣೆ ಮಾಡುವುದು. ಜನಾಂಗದ ಭಾಗವಾದ ಪಾರ್ಶ್ವ ಅಧಿಕಾರಿಗಳಿಗೆ ಸರಿಯಾಗಿ ಮೇಲ್ ಗುಂಪಿಗೆ ಸೇರಿದರೆ ಫಲಿತಾಂಶವೊಳಗೆ ವೃತ್ತಿಯ ಸಂಖ್ಯೆಯಲ್ಲಿ ವಿತರಣೆ ಮಾಡಬಹುದು. ಈ ಸೃಷ್ಟಿಯೊಂದು ಪ್ರತಿಪಾದಕರು ಕೆಲಸ ಮಾಡಬಹುದು.