



ENGINEERING SCIENCE NEWSLETTER

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Vision:

Engineering science department of NDMVPS's KBT College of Engineering determines to become a centre of learning in the field of "sciences-in-engineering" and the development of human values to develop engineers those can apply basic knowledge in engineering field to serve society.

Mission:

- 1.To produce graduates with strong knowledge of engineering sciences who are anchored on the principles of hard work and integrity.
- 2.To cultivate scientific culture with mathematical approach.
- 3.To solve the problems in engineering and improve it.



Maratha Vidya Prasarak Samaj's
Karmaveer Adv. Baburao Ganpatrao Thakare
College of Engineering, Nashik

NAAC "A" Grade Accredited Institute

Permanently Affiliated to Savitribai Phule Pune University

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Two days Workshop on “Robotics and IOT”

By

Mr. Sagar Patil

(Founder – Ray Robotics, Nashik)

Date: 30/04/2022



- First Year Engineering Students Association (AARAMBH) in association with Ray Robotics has organized two days hands-on workshop on "Robotics and IOT" for first year engineering students. This workshop is conducted by Mr. Sagar Patil along with his team members. Mr. Sagar has completed his education in Bachelor of Science with specialization as Physics from MVPS's KTHM College Nashik. He is currently working as Founder for Ray Robotics at Nashik.

- Mr. Sagar Patil started the workshop by introducing participants about the basic Electronics components and then he introduced students about microcontroller and Arduino circuit. He stated that Arduino Uno is an open-source microcontroller board based on the Microchip ATmega328P microcontroller and developed by [Arduino.cc](https://www.arduino.cc). The board is equipped with sets of digital and analog input/output (I/O) pins that may be interfaced to various expansion boards and different sensors. Later Mr. Sagar Patil and his team guided students about how to interface all elements with Arduino circuit and students have run various hands on practicals like led blinking, Ultrasonic sensor interfacing for distance measurement, DC motor interface, Obstacle avoiding robots etc.
- The workshop is conducted at Electrical lab C507 on 29th and 30th April 2022 from 10:00 am to 3.00 pm. Total number of participants for this workshop is 20.

Parent – Teacher Meet

Date: 11/06/2022



- F.E. Parent- teachers meet was organized on 11/06/2022. For this meet Dr. S. M. Bhati (HOD Engineering science), Prof. N. B. Desale (Vice Principal) and all FE faculty members were present to guide and facilitate all parents.
- At the beginning Dr. S. M. Bhati (H.O.D. of Engineering science) addressed parents about ongoing academic activities. Sir has mentioned various extra-curricular activities which have been taking place for first year students. Details of Exam pattern and syllabus coverage was also explained in this address. Later on the felicitation of students who have volunteered in the Digital literacy workshop which was organized by AARAMBH in the 1st and 2nd semester have been done.

- In the later part of the meeting Vice-Principal Prof. N. B. Desale addressed the audience. In the address he congratulated all parents and students about their support during NBA process also he guided students and parents about teaching learning activities, mentoring system and the facilities provided by the college. Also sir has assured to the parents that we will work on whatever parents have suggested in this meeting.
- Some parent representative asked their questions regarding academic and non-academics. Around 70 parents were present for the parent-teacher meet.

SparkTech 2022

(Project and PPT Competition)

Date: 02/07/2022



- First year engineering students association (AARAMBH) has organized technical events (SparkTech 2022) for all students on 2nd July 2022 at 1.00 pm to 5.00 pm. As a part of technical event Project Innovation competition and PPT competition have been arranged. Around 240 students from different branches were participated for project innovation competition and around 20 students were participated in PPT competition. Principal Dr. S. R. Devane along with Vice-Principal Prof. N. B. Desale visited to all groups for the demonstration of the project made by the students. Dr. B. J. Parvat (HOD of Instrumentation & Control Engg.) and Dr. S. B. Sonawane (Dean R&D) have been invited to peer review and grade all projects. Dr. N. J. Salunke (Asst. prof. of MBA) and Prof. D. N. Nathe (Asst. prof. of Civil Engg.) have been invited for judging PPT competition.

- The prize distribution ceremony was organized on 9th July 2022 at 11.00 am. Cash prizes along with trophy and certificates are given to all winners by the hands of Principal Dr. S. R. Devane, Vice-Principal Prof. N. B. Desale, Head of department Dr. B. J. Parvat, Dr. V. R. Sonawane, Dr. D. T. Khairnar. Dr. P. D. Nemade and Dr. S. M. Bhati. Eventually the vote of thanks is given by Prof. P. V. Joshi who is the Coordinator of this event.



The list of student who won the competition

SparkTech 2022			
Sr. No.	Name of Competition	Total no. of participants	Winners
1	Project Competition	240	1 st - Virtual Mouse (Ankita Singh group) 1 st - Solar based Agricutter (Akash Bodke group) 2 nd – Solar Detection panel (Tejas Shelke group) 3 rd – Portfolio Desing (Rutuja Gunjal)
2	PPT Competition	20	1 st – EV : Way to Sustanaible transport (Shreyas Yelmame & Pavithra Nair) 2 nd – Solar PV generation system (Piyush Patil & Tanmay Patil)