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➤ KSCST Funding (JAN 2023)

Karnataka State Council for Science and Technology (KSCST), Indian Institute of Science, Bengaluru under 46th series of Student Project Program (SPP), 2022-23 – Identified a list of student project proposals approved for sponsorship.

➤ From the Department of Mechanical Engineering, six projects were shortlisted for the funding of Rs. 35,000/-

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012
Website: www.kscst.org.in | Email: spp@kscst.org.in | Tel: 080-2334 1652, 2334 8848/8940

46th series of Student Project Programme (SPP): 2022-23

List of Student Project Proposals Approved for Sponsorship

124. NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU							
910	46S_BE_0458	DESIGN AND FABRICATION OF MULTI-MODE DR-COPTER	B.E.	MECHANICAL ENGINEERING	Dr. SUDARSHAN T A	Mr: ASWATHI B Mr: ANJANA CHOUDARY K Mr: ANJAN KUMAR H S Mr: HARIPRASAD L	6,000.00
911	46S_BE_0538	BLIND-AID SPECTACLE FOR VISUALLY IMPAIRED PEOPLE USING DEEP LEARNING ALGORITHMS AND FACE RECOGNITION TECHNIQUES	B.E.	MECHANICAL ENGINEERING	Dr. GAYATRI TANUJA G	Mr: SANTHOSH B Mr: B ANJAY KUMAR Mr: GANTA UDAY KIRAN Mr: JAYANTHI Y M	6,000.00
912	46S_BE_0757	DEVELOPING A SYSTEM TO PREVENT ACCIDENTS FROM SLEEP DRIVING	B.E.	MECHANICAL ENGINEERING	Mr. SHIVA PRAKASH	Mr: SASHIDHARAN S Mr: PREETHI RAJ Mr: RAGHAVENDRA Mr: RAKSHITH DK	6,000.00
913	46S_BE_0849	DESIGN AND FABRICATION OF LAKE WATER CLEANING SYSTEM	B.E.	MECHANICAL ENGINEERING	Mr. VEERESHA G	Mr: BALARAM SAHOO Mr: GOWTHAM M Mr: JAYAKRISHNAN P Mr: MADHAN S	6,000.00
914	46S_BE_1316	BLUETOOTH BASED AERODROP FOR SPRAYING PESTICIDES	B.E.	MECHANICAL ENGINEERING	Mr. SUREETH SWAMI	Mr: NAMA AJAY BABU Mr: SHAIK MASOOD FAROOQ Mr: V. GIRI BABU Mr: S. SUDHEER SUNKARA	5,000.00
915	46S_BE_1383	MECHATRONICS AND DEVELOPMENT OF UNMANNED GROUND VEHICLE FOR MILITARY PURPOSE.	B.E.	MECHANICAL ENGINEERING	Dr. SHRIDHAR KURSE	Mr: HARISH JUNG SHAHI Mr: ASHISH PRAMOD Mr: LAKSHMISHA K Mr: DHEERA REDDY	6,000.00

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46th series of Student Project Programme (SPP): 2022-23

List of Projects Selected for State Level Seminar and Exhibition to be held at Alva's Institute of Engineering and Technology, Moodubidre on 11 – 12 August 2023

94. NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU							
292	46S_BE_2020	KIT BASED SMART HOME SYSTEMS FOR SPECIALLY ABLED AND AGED USERS	B.E.	ELECTRONICS AND COMBINATION ENGINEERING	Mr. NAYANA G H Dr. ANJANA K	Mr: J HARISH Mr: R VINAS Mr: CHANDRA COSHA M Mr: ATTHIRAMAR R NAK	EXHIBITION
293	46S_BE_1298	BIO-METRIC AUTHENTICATION IN ATM USING RFID	B.E.	INFORMATION SCIENCE AND ENGINEERING	Prof. M SHANMUGAM SHEKHA	Mr: HEEMATHI M Mr: BHAVANA B Mr: KULDIRAK B Mr: SRINIVASAM SATHI	EXHIBITION
294	46S_MCA_518	E-LEARNING PORTAL	M.C.A.	MASTER OF COMPUTER APPLICATION	Dr. A P NIRMALA	Mr: ASHOK KUMAR DAD Mr: ASHA S A Mr: CHANDRANA K Mr: CHANDRANA G R	SEMINAR
295	46S_MCA_530	CU-BASED CHAT TOOL	M.C.A.	MASTER OF COMPUTER APPLICATION	Dr. V. ASHA Mr. NEETHU THEJSSA	Mr: ADARSH JAYARAJ Mr: ADARSH KUMAR SINGH Mr. SUDAN M Mr. SUMAN KUMAR SINGH	SEMINAR
296	46S_BE_0458	DESIGN AND FABRICATION OF MULTI-MODE DR-COPTER	B.E.	MECHANICAL ENGINEERING	Dr. SUDARSHAN T A	Mr: ASWATHI B Mr: ANJANA CHOUDARY K Mr: ANJAN KUMAR H S Mr: HARIPRASAD L	EXHIBITION

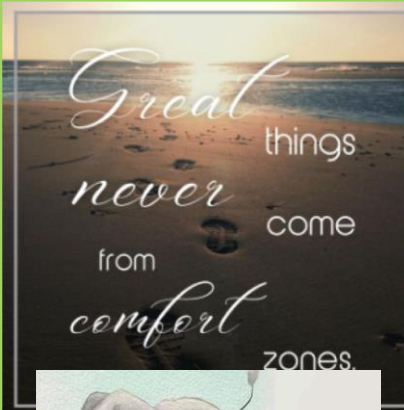
➤ From the Department of Mechanical Engineering for the final exhibition one project has been shortlisted for the exhibition to be held at Alva's Institute of Engineering, Moodubidre on 11-12 August 2022-23.

➤ Research & Development (Jan-June, 2023)

From the Department of Mechanical Engineering – The Half-Yearly progress (Jan-June 2023):

- The total number of Scopus-indexed articles/conferences:
- **Published–34, Accepted–3, Under Review–25, Submitted–50+, Citations–200+**
- **Patents** shortlisted for the Kapila scheme (financial assistance for patent publications)
- Faculty are reviewers in reputed Scopus-indexed Journals.
- Projects converted to startups.
- Students of the Mechanical Engineering Department, have registered for the company, **Stealth Avionics under MSME scheme**

UDYAM REGISTRATION CERTIFICATE			
UDYAM REGISTRATION NUMBER		UDYAM-KR-03-0282119	
NAME OF ENTERPRISE		STEALTHEDGE AVIONICS	
TYPE OF ENTERPRISE *	SNo.	Classification Year	Enterprise Type
	1	2023-24	Micro
MAJOR ACTIVITY	MANUFACTURING		
SOCIAL CATEGORY OF ENTREPRENEUR	SC		
NAME OF UNIT(S)	S.No. Name of Unit(s)		
	1	STEALTHEDGE AVIONICS	
Flat/Door/Block No.	NHCE	Name of Premises/ Building	New Horizon knowledge Park
Village/Town	Kudabecannahalli	Block	Near Marathahalli
Road/Street/Lane	Bellandur Main Road	City	BENGALURU (URBAN)
State	KARNATAKA	District	BENGALURU (URBAN), Pin 560183
Mobile	935849512	Email:	sanjan124531@gmail.com



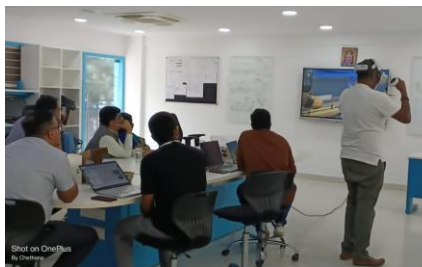


Placements & Internships & INDUSTRY Connect

- **Placements: 75 students** were been placed out of 125 eligible students, still the process is ongoing. **The highest package is 9 – 10 LPA** from JSW steels and **International placements(2 students) – 20 LPA**
- **Internship: 105 students completed** industrial internships.
- **Industry Connect:** Robotics lab, Additive manufacturing and AR/VR halucinate

NEW HORIZON COLLEGE OF ENGINEERING
 Accredited by NAAC with 'A' Grade, Accredited by NISA
 DEPARTMENT OF MECHANICAL ENGINEERING
 CORE TRAINING CLASSES FOR PLACEMENT FOR MECHANICAL AND AUTOMOBILE STUDENTS
 W.E.F: 10/07/2023

Day/Time	9:00-11:00	11:00-11:10	11:10-11:10	11:10-2:00	2:00-4:00
Monday	Thermal Engineering - Prof. Rakesh C		Mechanics of Materials - Dr. Sridharan Y		Design Engineering - Prof. Venkatesh G
Tuesday	Fluid Mechanics - Dr. P. Adhikari	F	Metrology - Prof. Senthil B S	U	Manufacturing Technology - Prof. Rajeev Thakur
Wednesday	Design Engineering - Dr. Nagesh J	A	Metrology - Prof. Rajesh A	C	Mechanics of Materials - Prof. Hanumanth Y
Thursday	Fluid Mechanics - Dr. Sridharan Y	B	Manufacturing Technology - Prof. Shivu Prakash S	B	Thermal Engineering - Prof. Ravikumar M
Friday	Thermal Engineering - Prof. Ravikumar M	A	Machine Drawing - Dr. Nageshachand S	K	Care Interview Preparation



halucinate
 EXISTENCE IS TO BELIEVE IT!

Memorandum of understanding

From, Rakesh Anjanappa, CEO, Halucinate, Bangalore.

To Whomsoever it may concern, New Horizon College of Engineering, Bangalore.

Respected Sir/Madam,

We at halucinate are willing to collaborate with New horizon college of Engineering to initiate VR/AR development courses and awareness among students for the period of 12 months and then re-evaluate the terms and conditions. If there is no progress within 3 months of program initiation, the halucinate will have all rights to pull out the hardware from the college and dismiss the college.

Students would train using the online platform and course material provided by halucinate. Once students are comfortable with new technologies, halucinate will start guiding and giving projects to get hands-on experience. All Entertainment content developed by students would be 100% halucinate proprietary. All Educational content would be 50% halucinate and 50% New Horizon College Ownership.

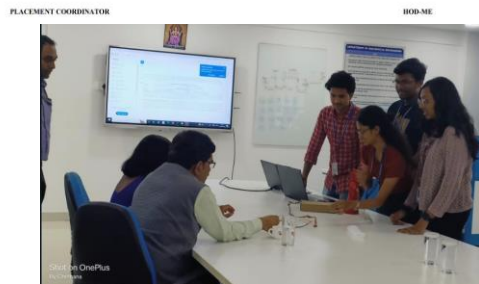
Responsibilities of halucinate

- Supply hardware and software - worth more than lakhs.
- Supply access to all course materials / Identify top content course materials for VR/AR
- Supply access to any paid models or materials needed for development.
- Access to all halucinate stores in India, to deploy and test in real field environments.
- Certificate of appreciation from halucinate.

Responsibilities of New Horizon College of Engineering

- Provide a batch of 5 students
- Each batch should have a combination of all branches
- Responsible only for **physical damage** or **Loss of Data** to the hardware provided.

Regards,
 Rakesh
 Authorized Signatory



Expert Lectures (21/04/2023 & 26/06/2023)

A *Guest Talk* on *Professional Ethics and Morale Values in Entrepreneurship* has been successfully conducted by the Mechanical Engineering and Civil Engineering Departments in association with NHCIIE and NHCE-IIC 5.0 on 21st April 2023, invited by the Head of Mechanical Engineering Department, Dr. Sridhar Kurse & Faculty co-ordinator – Dr. Gayatri Tanuja G. The guest speaker, *Mr. Madhusudhan Y., Program Manager (Business Development and Management), BOSCH Global Software Solutions* highlighted various important moral values & ethics that would help the students in their entrepreneurial journey.

NEW HORIZON COLLEGE OF ENGINEERING
 DEPARTMENT OF MECHANICAL ENGINEERING & DEPARTMENT OF CIVIL ENGINEERING
 New Horizon Centre for Innovation, Incubation and Entrepreneurship (NHCEIE)

Guest Talk

"Professional Ethics and Morale Values in Entrepreneurship."

Resource Person

Dr. Sridhar Kurse
 Dr. Madhusudhan Y.
 Dr. Venkatesh G.

21.04.2023
 10:30 AM - 12:30 PM

VENUE:
 Seminar Hall, III Floor
 NHCEIE Building, Chandra Bose Block, NHCE



A Guest Lecture was conducted by the Department of Mechanical Engineering, NHCE, invited by the Head of Mechanical Engineering Department, Dr. Rakesh C, Faculty co-ordinator – Dr. Sudarshan T A and organized in association with ROBOHORIZON CLUB, titled, “Electric Future of Aerospace”, on 26/06/2023.

The Guest Lecturer, Mr. Rakesh Shete, the Project Leader at Quest Global and Aero Career Coach, Bengaluru. During the session, different types of drones were discussed by Mr. Rakesh Shete. He further shared his knowledge on the new and upcoming technology with respect to drones and Unmanned Aerial Vehicles. Various applications of drone technology were discussed, mainly in Ariel photography and videography, agriculture, package delivery etc.



➤ Student's Individual Academic Achievement Awards: (May, 2023)

Dr. Gayatri Tanuja G, Sr. Assistant Professor, from Mechanical Engineering Department, NHCE have presented awards to all the toppers of I SEM students, who got Outstanding(O) Grade in the CAED Subject, for ODD SEM-2023 (P & S Sections).



▪ Extracurricular Activities - NCC, NSS, Potluck

NHCE, NSS Unit Cell conducted a “Community Service Camp”, along with students-NHCE, under NSS on 30th May 2023. Prof. Hanamanth, from Mechanical Department along with the team, had been to Veeranahosahalli village and Keriuru and successfully distributed 100 essentials.



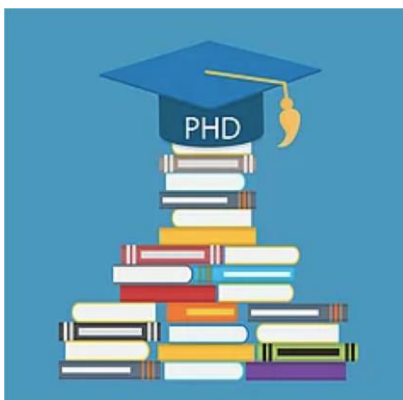
➤ Other NCC and Blood Bank Activities:



➤ **POTLUCK** : Department of Mechanical Engineering and Department of Automobile Engineering together conducted a Team Potluck event on 10th June-2023, in Room No, B101, to strengthen the bonding among the faculty members and rejuvenating the team spirit. Respected principal Sir, Dean-Academics, and other dignitaries were invited, under the guidance of Prof. Rakesh C. (HOD-Mechanical) & Prof. Jaysheel (HOD-Automobile). Event was organized by Dr. Gayatri Tanuja G, Prof. Smitha and other faculty members.



Forthcoming Events



Editorial board: Prof. Rakesh C., Dr. Srinath M K., Dr. Gayatri Tanuja G., Dr. Nagendra J., Prof. Shiva Prakash S., Prof. Gowtham Raj
Advisory Committee: Dr. C P S Prakash (Principal, Dayananda Sagar College of Engineering)
 Mr. Deepak Kamath (Technical Head of Continental India Ltd. Bangalore)
 New Horizon College of Engineering
 Ring Road, Near Marathalli, Bellandur Post - 560 103, Bangalore, Karnataka, India