



**CHILDREN'S EDUCATION SOCIETY (Regd.)**  
**THE OXFORD COLLEGE OF ENGINEERING**

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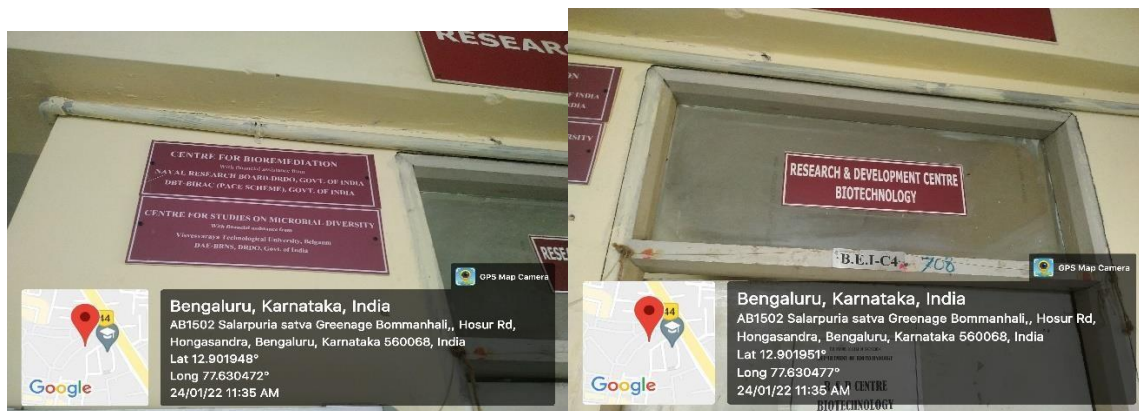
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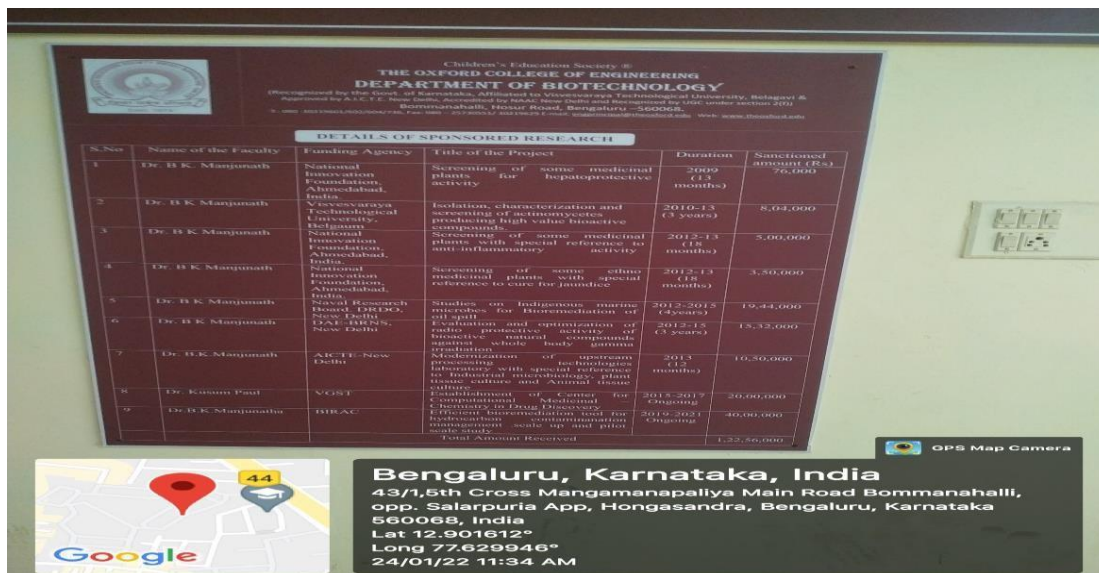
Bommanahalli, Hosur Road, Bangalore - 560 068.

Ph: 080-61754601/602, Fax: 080 - 25730551

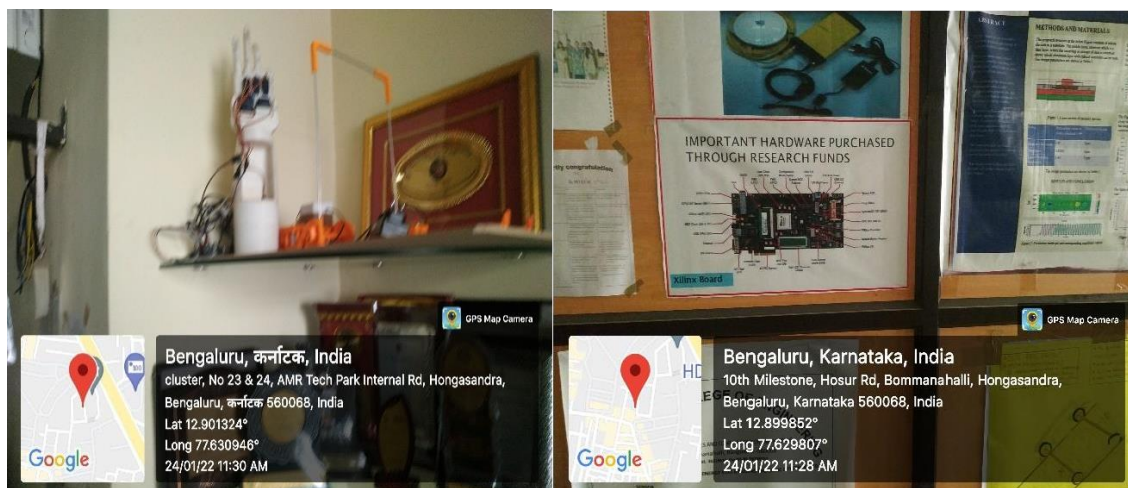
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**Research & Development Centre, Dept of Biotechnology**



**Research Projects & Grants, Department of Biotechnology**





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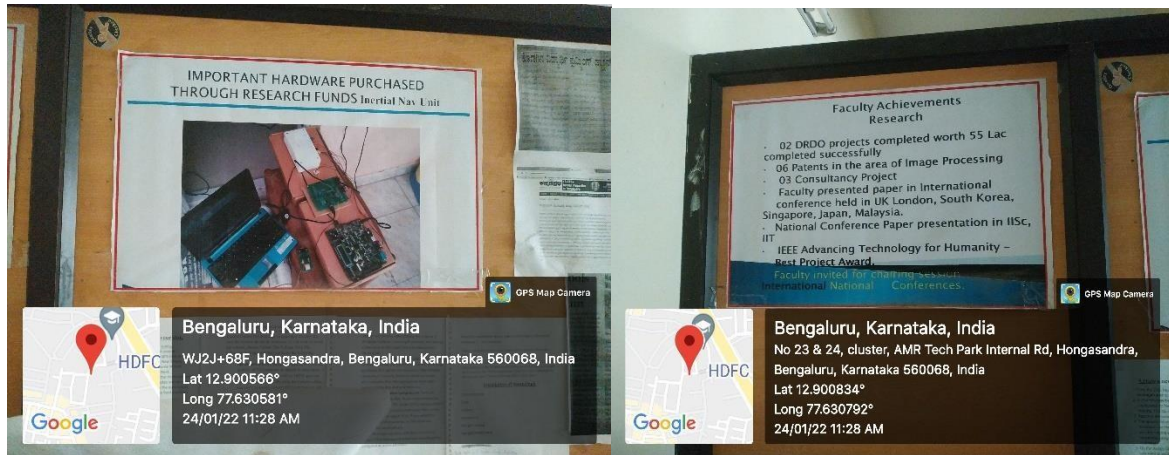
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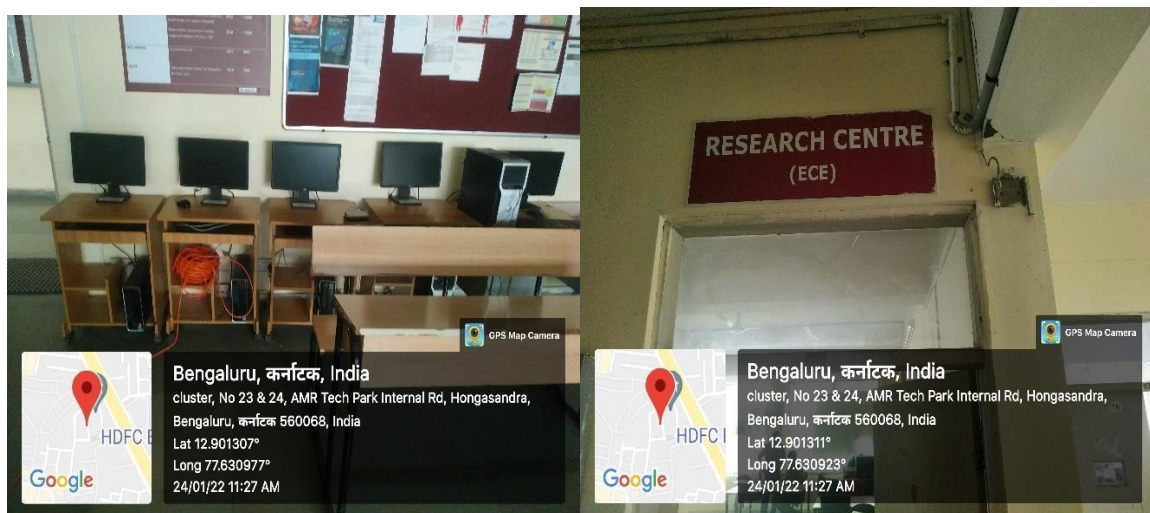
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**Research Projects and funds received, Department of ECE**



**Research Projects and funds received, Department of ECE**



**Research centre, Department of ECE**



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**CENTRE FOR EXCELLENCE IN PHOTONICS  
VGST K-FIST (LEVEL-1)**  
Electronics And Communication Engineering  
The Oxford College Of Engineering  
Project Coordinator - Dr. Preeta Saran  
Amount - Rs.20 Lakh  
Project Duration:- 2012 - 2014

THE OXFORD COLLEGE OF ENGINEERING	
FUNDED PROJECT	
PROJECT TITLE	WIRELESS MOUSE AND KEYBOARD FOR HANDICAPPED
FUNDING AGENCY	INDIAN COUNCIL OF MEDICAL RESEARCH (ICMR), NEW DELHI
FUND SANCTIONED	9,32,940 INR
PRINCIPAL INVESTIGATOR	DR. PREETA SARAN
PLACE	R & D CENTER, DEPT OF ECE, THE OXFORD COLLEGE OF ENGINEERING
PROJECT DURATION	March 2017- March 2018


Expected outcomes: the expected outcomes of the project will be  
An active human computer interface (HCI) for persons with disabilities consisting of:  
I. A portable and platform independent device.  
II. Input device operation by speech recognition and eye movements.  
III. Embedded speech-based the device using will if not off, be deliverable.



**Bengaluru, Karnataka, India**  
Electronic City Flyover, Garebhavipalya, Garvebhavi Palya,  
Bengaluru, Karnataka 560068, India  
Lat 12.896931°  
Long 77.635177°  
24/01/22 11:26 AM

### Research projects, Department of ECE

FUNDED PROJECTS			
Name of Funding Agency	Project Title	Year	Amount
Naval Research Board - DRDO, India	Modelling and Simulation of Optical Sensor on Naval Platform	May 2011	₹ 25 Lacs/-
	Conceptualization of GPS/INS Integration for FPGA Platform	Sept. 2011	₹ 28 Lacs/-
Vision Group of Science and Technology (VGST), Gov. of Karnataka	"Center of Excellence in Photonics", on optical networking	2012	₹ 20 Lacs/-
Institute of Electrical and Electronics Engineers (IEEE USA)	Wireless Mouse Control	May 2012	\$ 980
	Smart Health Monitoring System Using GSM Technology for Pregnant Lady in Rural Area with Audio Interaction	May 2013	\$ 980
Indian Council of Medical Research (ICMR)	Wireless mouse and keyboard for handicapped	March 2017	₹ 9,32,940
KSCST	Photonic crystal based biosensor on mobile application for cancer cell detection	2017	₹ 6500
	The smart wrist band based human interface for PWD (person with disability)	2017	₹ 6500
	Pitch Based Human Computer Interface quadriplegic and speech impaired	2018	₹ 8000
IEEE WILCON	Biosensor for detection of various stages of malignant Tumour cells	2018	₹ 7000
	Autonomous Car	2017	8000
KSCST	Wearable Bionic Hands, for Amputees for basic need	2019	7500



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### Research projects, Department of ECE



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**Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge**

The institute has established creative ecosystem for Research & Development, innovation and other initiatives like creation and transfer of knowledge by establishing R&D Cell, IPR and Entrepreneurship Cell, Institution Innovation Cell, R&D Centre and by signing MoU with reputed Universities, Research organizations and Industries. The Institute has recognized Research and Development Centre in all the department with eminent professors recognized to guide candidates for Doctoral degree. The Centre periodically conduct brain storming sessions to motivate the Students, Research Scholars and faculty members to pursue research in cutting edge technologies. It Provides technical platform for students and faculty to discuss the recent trends, market demands, Industry trends and their research findings with eminent scientists, academicians, Industry personnel, venture capitalist through expert talks, Seminars, symposium, Conferences, workshops, hackathons, Ideation and discussion sessions. The R&D cell encourage the participation of students in various hackathons, Ideations, symposium/conferences exhibitions and fairs, to nurture their technical expertise. The research and development council encourages interdisciplinary/multidisciplinary, inter institute and intra-institute projects by sharing the expertise and infrastructure available across the Oxford group of Institution. The Centre holds periodical Review meetings to discuss the progress of research being carried out for Ph.D. as well as of the funded projects. The Centre also organizes periodical workshops on research methodology, research proposal writing, research article writing skills, Patent search, research around abandoned/expired patent and entrepreneurial opportunities, startup schemes etc.,

To Augment the research culture and ecosystem for innovation, the institution has taken up several initiatives viz.,

- Seed money for concept proposal and to develop proof of concept
- Incentive for research grant-Faculty who gets research grant will be awarded cash incentive
- Financial assistance for research publication- Faculty will be awarded



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financial support to publish their research finding in journal of high repute

- Technical and financial assistance for Patent filing through Institution IPR cell-the faculty with novel ideas and innovative concept and research findings will be identified and technical assistance in prior art search, literature review and evaluating novelty, non-obviousness and commercial potential of their research findings is provided through The oxford KSCST-VTPC patent and innovation cell and such IPR will be filed with assistance from government schemes through KSCST IP Cell, NRDC, DBT, MHRD KAPILA scheme, TIFAC schemes etc.,
- Institute organizes periodic orientation programs to create awareness on various funding opportunity for the students and faculty on call for Proposals from organizations viz., KSCST, VGST, KitBits, VTU, AICTE, DST-SERB, DBT, BIRAC, BRNS, NRB, DRDO etc.,
- Institute provides Techno-platform for the faculty and students to review their research findings and selection of research problem of industry need and societal relevance by inviting eminent scientists from reputed institute, industry and research organizations and creating an interactive environment.
- An Industry Institute Interaction Cell works in close coordination with the industries and the institute for encouraging both students and faculty to work on live projects. (Obtain industry sponsored projects).
- Motivates faculty and students to take up appropriate problems of the industry relevance for their R&D projects.
- The Institute initiate and promote MoU with industries and R&D organizations for consultancy, collaborative research, sponsored projects, industry institute interactions etc.
- To arrange brainstorming sessions through talks by eminent personalities from industry, R&D organizations and institutions of repute for the better understanding of research methodology and practices currently followed.



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Grants received from Government and non-governmental agencies for research project

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator
Wireless mouse and keyboard for Handicapped	Dr.Preeta Sharan	ECE
E - Lasike Velapatti - baby Vaccination Tracking APP in Kannada	Prof. Sowmya H K	CSE
Investigation on Performance and Emission Behaviours of Compression ignition Engine Fuelled with Two Bio-Diesel Blends	Dr.B.R.Raju	AU

**2017-18**

Skill and Personality Development Programme - AICTE	Dr.R.J.Anandhi	CSE
Pitch based human computer interface for Quadriplegic and speech Impaired	Dr.Preeta Sharan	ECE
Android based application to detect potholes and uneven roads in the city	Prof. Sowmya H K	CSE
Visual Based E-Service for Transportation system for BMTC	Prof. Seema Patil, Nikitha B	CSE
Construction and designing of biopile for ex situ remediation of used oil /toxic hydrocarbons using fungal consortium	Dr.B.K.Manjunatha	BT
Investigation on the mechanical and tribological characterization of nanoparticulate filled fibre reinforced hybrid composites for automobile applications	Dr.Raju B R	AU
biosensors for the detection of various malignant tumour cells	Dr.Preetha Sharan	ECE

**2018-19**



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cloud based Automatic street Lighting system in Attibele Industrial Area and Rural areas	Dr E Saravana Kumar	CSE
Source Code Generator Using Speech	Dr. R Kanagavalli	ISE
Neonatal Blood Pressure Measuring System using Micro Opto Mechanical System based Sensor	Mr. Anup M Upadhyaya Mr. Vidhyadhar Pujar	MECH
Drainage Cleaning Machine	Prof. Raghavendra N	MECH
Road Side Dust Cleaning Machine with Conveyor Mechanism	Prof. Shivasheshadri	MECH
wearable bionic hand for amputees for basic needs	Dr.Preeta Sharan	ECE
Influence of nanofillers on mechanical and tribological properties of fiber reinforced hybrid composites for automotive Industry applications	Dr.Raju B R	AU
<b>2019-20</b>		
Efficient bioremediation tool for hydrocarbon contamination management .scale up and pilot scale study	Dr.B.K.Manjunatha	BT
Establishing facility for design,synthesis and characterization of nano hybrid composites for agricultural applications	Dr.Raju B R	AU
Design of Voice Operated Wheel Chair Using Roger-Bogie Mechanism	Mr. Rohan	MECH
Automated Waste Segregation & Sterilization By UV Radiation	Mr. Nagaraja T V	MECH
Recycling of PET Plastic Using Fused Filament Extrusion Process	Mr. Shiva Kumar M	MECH
Health monitoring system for Indian railway track	Dr.Preeta Sharan	ECE



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Design and Development of Fiber Bragg Grating sensing system for monitoring handgrip muscle fatigue	Dr.Preeta Sharan	ECE
Head-Eyes system of Humanoid skull	Dr.Manju Devi	ECE
Robotic Cook	Dr. R KANAGAVALLI	ISE
Prerana- AICTE	Dr R Ch A Naidu	CSE
Smart Ornament for Women Security & Safety	Prof. Seema Patil	CSE
Skin Cancer Detection Using Machine Learning	Prof. G Florance	CSE
Water air and light transforming energy resources	Dr.Yashoda B S	MTE
An Automated Foodway Track Restaurant	Mr. Amaresha	ISE

**2020-21**

Rofus (Robotic Fish For Underwater Surveillance)	Dr. Yashoda B S	MTE
Humanoid Robot With Three Gripper End Effector	Mrs. Seema	MTE
Automated Domestic Water Reutilization System	Mrs. Vidhya S	ISE
Human Detecting Robot For Earthquake Rescue Operation Using Iot	Dr. R Kanagavalli	ISE
Appraising System For Stubble Burning Using Humanoid Skull	Dr. Manju Devi	ECE
Low Cost Density Based Traffic Light Controller System With Real Time Air Quality Monitoring And Integrated Surveillance Camera	Dr. Manju Devi	ECE
Contactless Door And Doorbell Security System For Pandemic	Prof. Jayaraj N	ECE
Automatic Mask And Medicine Vending Machine With Automatic Hand Sanitizer And Refilling	Prof. Jayaraj N/Dr.Preethasharan	ECE



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Bullet Proof Jacket With Gun Shot Detection Technology	Dr. B. Devi Vighneshwari/Mr. Jayakumar N	EEE
lot Based Intelligent Insulin Pump	Dr. V S Bharath	EEE
Characterization Of Aluminium 7075 Short Nickel Coated Fiber Metal Matrix	Prof. N Raghavendra	MECH
Design And Fabrication Of Android Operated Water Tank Cleaning Machine	Prof. Vidyadhar Pujar	MECH
A Project On Low Budget Electricity Supply To Small Village By Using Solid Waste	Ms. Kavya S K	CIVIL
Design, Synthesis And Characterization Of Nano Hybrid Composites For Automotive Applications.	Dr. Raju B R	AU
Nanotization of Potential indigenous herbal medications in treatmnet of high blood pressure	Dr.B.K.Manjunath	BT

Protection and monitor of lake using smart device	Dr.Preeta Sharan	ECE
Multi Purpose Robotic hand	Dr.Preeta Sharan	ECE



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Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
2016-2017	932940	1 year	ICMR, New Delhi	Government
2016-2017	5500	9 Months	KSCST	Governemnt
2016-2017	7,000	6 months	KSCST	Govt

2017-18	2298824	3 Years	AICTE	Governemnt
2017-18	8000	1 Year	KSCST	Government
2017-18	3500	9 Months	KSCST	Governemnt
2017-18	4000	9 Months	KSCST	Governemnt
2017-18	6,000	9Months	KSCST	Government
2017-18	6,500	9 months	KSCST	Government
2017-18	7,000	9 months	KSCST	Government



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2018-19	500000	1 Year	Vision Group of Science & Technology	Government
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2018-19	5500	9 Months	KSCST	Government
2018-19	4000	9 Months	KSCST	Government
2018-19	6000	9 Months	KSCST	Government
2018-19	10,000	9 Months	KSCST	Government
2018-19	7000	9 Months	KSCST	Government
2018-19	9000	9 Months	KSCST	Government

2019-20	4,000,000	2019-2021	BIRAC	Government
2019-20	2,000,000	2019-2021	VGST	Government
2019-20	6500	9 Months	KSCST	Government
2019-20	6000	9 Months	KSCST	Government
2019-20	6,500	9 Months	KSCST	Government
2019-20	1529647	2 Years	AICTE, New Delhi	Government



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2019-20	2,500,000	2 Years	VGST	Government
2019-20	5000	1 Year	KSCST	Government
2019-20	4000	9 Months	KSCST	Government
2019-20	683000	1 Year	AICTE	Governemnt
2019-20	4000	9 Months	KSCST	Governemnt
2019-20	4500	9 Months	KSCST	Governemnt
2019-20	8000	9 months	KSCST	Government
2019-20	5000	9 Months	KSCST	Government

2020-21	6000	1 Year	KSCST	Government
2020-21	6000	1 Year	KSCST	Government
2020-21	5000	1 Year	KSCST	Government
2020-21	5000	1 Year	KSCST	Government
2020-21	6000	1 Year	KSCST	Government
2020-21	6000	1 Year	KSCST	Government
2020-21	6000	1 Year	KSCST	Government
2020-21	6000	1 Year	KSCST	Government



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2020-21	6000	1 Year	KSCST	Government
2020-21	5000	1 Year	KSCST	Government
2020-21	6000	1 Year	KSCST	Government
2020-21	7000	1 Year	KSCST	Government
2020-21	4000	1 Year	KSCST	Government
2020-21	8000	1 Year	KSCST	Government
2020-21	441331	2 YEARS	National Innovation Foundation	GOVERNMENT

2020-21	5000	1 year	IEEE Bangalore section	Private
2020-21	5000	1 year	IEEE Bangalore section	Private



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**2016-17**

Name of the Project/Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned (Rs)	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Wireless mouse and keyboard for Handicapped	Dr. Preeta Sharan	ECE	2016	9,32,940	1 Year	ICMR, New Delhi	Government

  
 The Oxford College of Engineering  
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 Bengaluru-560 068



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Administrative Office :

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E-mail: engprincipal@theoxford.edu Web: www.theoxford.edu

Date: 31.10.2018

Ref. No. TOCE/AACAD24/2018-19/5218

To

Chandrashekhar  
Indian Council of Medical Research  
Ansari Nagar  
New Delhi - 110 029

Sir,

Sub: Regd. ICMR Funded Project No. 5/3/8/329/2017-ITR- Final Report

As per the reference letter No.5/3/8/329/2017-ITR dated 18-10-2018 We are enclosing herewith six copies of the Final Report in respect of ICMR Project titled Wireless Mouse and Keyboard for Handicapped. Project sanctioned on 28.03.17 and completed on 28.09.2018.

As per requirement, audited utilization certificate with statement of expenditure are attached here along with final report.

Please acknowledge the same

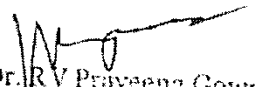
Yours faithfully

CC

Mrs. A. Wasan

Administrative officer

For Director - General

  
Dr. RV Praveena Gowda  
Principal  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore - 560 068



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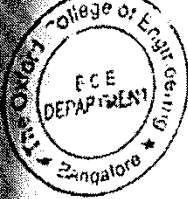
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**FORMAT FOR UTILISATION CERTIFICATE**  
**(ANNUAL/FINAL)**

Certified that out of Rs 9,32,940/- of grants in aid sanctioned during the year 2017 in favour of **The Oxford College of Engineering ICMR (Research Grant)** under ICMR Letter 5/3/8/329/2017 - ITR and Rs 9,32,940 on account of unspent balance of the previous year, a sum of Rs 9,32,940/- has been utilized for the purpose of project entitled Wireless Mouse and Keyboard for handicapped for which it was sanctioned and that the balance of Rs Nil remaining unutilized at the end of the year has been surrendered to ICMR (vide cheque No - NA, Dated -NA- /- will be adjusted towards the grant-in-aid payable during the next year i.e. -NA-

*Praveen Gowda*  
Signature of  
Principal Investigator



*Dr. R V Praveena Gowda*  
Signature of Registrar/  
of the institute with date

Dr. R V Praveena Gowda  
Principal  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore - 560 068

*S. Krishnamurthy*  
Signature of Accounts Officer  
of the institute with date 25-10

**S. KRISHNAMURTHY**  
CHARTERED ACCOUNTANT  
MEMBERSHIP No: 18429



**CHILDREN'S EDUCATION SOCIETY (Regd.)  
THE OXFORD COLLEGE OF ENGINEERING**

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Approved by A.I.C.T.E. New Delhi.

Recognised by UGC Under Section 2(f)

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Ph: 080-61754601/602, Fax: 080 - 25730551

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**FORMAT FOR FINAL STATEMENT OF EXPENDITURE  
(to accompany the Final Report)**

Sanction Letter No: 5/3/8/329/2017 - ITR (ICMR)

Total Project Cost: Rs: 9, 32,940/-

(Sanctioned /Revised project cost, if applicable): Not Applicable

Duration of Project: 1 year 6 months

Date of Start of project: 29<sup>th</sup> March 2017

Date of Termination: 28<sup>th</sup> March 2018

No Cost Extension without any Budget: 29<sup>th</sup> March 2018 to 28<sup>th</sup> September 2018 (6 months)

Date of completion of project: 28<sup>th</sup> September 2018

Grant received each year (financial)

(Statement of Expenditure)  
(From 29<sup>th</sup> March 2017 to 28<sup>th</sup> March 2018)

Sanction Head	Funds Allocated	I <sup>st</sup> Yr	II <sup>nd</sup> Yr	III <sup>rd</sup> Yr	IV <sup>th</sup> Yr	Total	Balance (If any)	Remarks
		4	5	6	7	8	9	10
Salaries	2,48,000	2,48,000	-	-	-	-	Nil	Salary paid to staff for 8 months
Equipment	2,90,000	2,90,000	-	-	-	-	Nil	Moulding, PCB Development accessories, Dye casting Development accessories.
Consumable	2,10,000	2,10,000	-	-	-	-	Nil	Development of software, Testing the software and Hardware for quality, stationary material for documentation and conference
Travel	60,000	60,000	-	-	-	-	Nil	Local conveyance, Visit to IISC, Visiting to Foundry.
Contingencies	1,10,000	1,10,000	-	-	-	-	Nil	To organise the workshop activities
Overhead Expenses	14940	14940	-	-	-	-	Nil	Given to Institute
Others (If Any)	-	-	-	-	-	-	Nil	-
<b>Total</b>	<b>9,32,940</b>	<b>9,32,940</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Nil</b>	<b>-</b>

Amount to be refunded/ reimbursed (Whichever is appropriate): Rs: NA

*Dr. Praveen Sharma*

Name & Signature  
Principal Investigator  
With date & Seal

*S. Krishnamurthy*

Signature of Competent  
Financial/audit authority  
With date & Seal 25-10-2018

**S. KRISHNAMURTHY**  
CHARTERED ACCOUNTANT  
MEMBERSHIP No: 18429



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**2017-18**

Name of the Project/Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned (Rs)	Duration of the project	Name of the Funding Agency	Type (Government /non-Government)
Skill and Personality Development Programme - AICTE	Dr. R J Anandhi	CSE	2017	22,98824	3 Years	AICTE	Government

  
**PRINCIPAL**  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068



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**ANNEXURE - II**

**FORMAT**  
**for**  
**UTILIZATION CERTIFICATE**

Sanction Letter No. Ret No. 66/24/RVPD/SPDP/POLICY-1/2016-17

Date: 15.05.2017

**A. NON-RECURRING**

S. No.	Name of the Equipment Procured	Amount Sanctioned	Amount Utilized (Item wise)	Unspent Balance
1	Desktop Computers	9,77,000	Rs.644254	Nil
2	Furniture		Rs.301897	Nil
3	Printer, Modem, LAN, System Software, Antivirus		Rs.90180	Nil
4	Library books and study materials		Rs.23667	Nil

**B. Recurring (Detail to be shown separately)**

S. No.	Items	Cost
1	Training Charges	Rs.100000
	Total	Rs.100000

Certified that the grant has been utilized for the purpose for which it was sanctioned in accordance with the "Terms and Conditions" attached to the grant. If, as a result of check or audit objection some irregularity is noticed at a later stage, action will be taken to refund, adjust or regularize the amount objected to.

Finance Officer (Signature and Seal with date)

Registrar/Principal/Director  
 (Signature and Seal with date)  
 The Oxford College of Engineering  
 Bommanahalli, Hosur Road  
 Name and Address of the  
 University/ Institution

**Note:** The Utilization Certificate (UC) will be signed by the Registrar/ Finance Officer in the case of Universities, Principals in the case of Colleges and Executive Heads of other Institutions. The Provisional UC may be countersigned by the internal auditors wherever the system of the internal audit exists. In case of the Self Financing/ Private Institutions, UC has to be signed by a Chartered Accountant.

\*This is to be submitted for every financial year.



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ANNEXURE -III

**FORMAT**  
**for**  
**PROJECT COMPLETION REPORT FOR SPDP SCHEME**

**File No.** : **Ref.No.65-24/RIFD/SPDP/POLICY-1/2016-17**  
(As mentioned in sanction letter)

**Date of Sanction:** 15-05-2017

**Subject Area:** -----

- |  |  |
|--|--|
| 1. Project Coordinator<br>(Name and address) | : Dr R.J Anandhi<br>Vice Principal, HOD, Department of CSE<br>The Oxford College of Engineering<br>Bommanahalli, Bangalore 560068. |
| 2. Project Title                             | : Skill and Personality Development Centre   |
| 3. Date of Commencement of the Project       | : 15-05-2017   |
| 4. Duration of the Project                   | : 3 Years  |
| 5. Date of Completion                        | : 15-05-2020   |
| 6. Amount Sanctioned by AICTE                | : Rs.2298824 (for 3 years)<br>Rs.1149412 received as first<br>installment on 15-05-2017  |
| 7. Objectives of the Project                 | :  |

- To provide opportunity to SC/ST students in the Institutes to reorient themselves in the light of emerging employment opportunities in Engineering undergraduate/Diploma students at all level.
- To empower the SC and ST students by providing special skill trainings apart from regular study.
- To enhance the skills of Scheduled Caste (SC)/Scheduled Tribe (ST) candidates with help of modules on communication, personality development and proficiency in English language.
- It will boost the confidence of SC and ST students and provide them with better career opportunities so that their employability in the industry increases.



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**8. Details of Expenditure**

**A. NON-RECURRING**

S. No.	List of Equipment Procured	Cost
01	Computers-15 no's-Dell OptiPlex 3046 MT Desktop	Rs.6,44,254
02	LAN-A complete LAN set up for 30 systems with router, switch, cable+casing, multimedia systems	
03	Chairs, Computer Table-30 no's MODEL-AY-T-201	Rs.3,01,897
04	Printer-01 no- Canon IR 2002 N Printer-01 no-HP LaserJet 1020+	Rs.90,180
05	Library books and study materials Text books on GATE, KAS, UPSC, English Grammar, IBPS, Quantitative aptitude, General Studies, Competitive Reasoning	Rs.23,667
	<b>Total</b>	<b>Rs.10,59,998</b>

**9. Future Plans for Utilizing the Equipment:  
 and / or Facilities Created.**

The Equipment can be utilized in future for conducting Technical training programs like advanced Java, CATIA, Mathlab etc for all the SC/ST students of The oxford college of Engineering

**10. Whether There is Any Deviation from the Purposes for which:  
 Grant was Released. If so Details of Deviations to be given.**

No

*Anandhi*  
 Project Coordinator  
 (Signature and Seal with date)  
**Dr. R J Anandhi**  
 Vice Principal  
 Professor & Head of Department/CSE  
 THE OXFORD COLLEGE OF ENGINEERING  
 Bengaluru - 560068

*W. J. Gowda*  
 Registrar/Director/Principal  
 (Signature and Seal with date)  
**Dr. R V Praveena Gowda**  
 Principal  
 The Oxford College of Engineering  
 Bommanahalli, Hosur Road  
 Bengaluru - 560 068



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**ANNEXURE - IV**

**FORMAT**  
**for**  
**AUDITED UTILISATION CERTIFICATE**

Certified that out of **Rs. 11,49,412 (Eleven Lakhs forty nine thousand four hundred and twelve)** of Grant-in-aid sanctioned during the year **2016-17**. Letter No. **Ref.No.65-24/RIFD/SPDP/POLICY-1/2016-17** **Rs. 11,59,998** has been utilized for the purpose of **Skill and Personality Development Programme Centre for SC/ST Students (SPDP)** for which it was sanctioned and the balance of **Rs. 440** remaining unutilized at the end of the year will be adjusted towards the Grants - in - aid payable during the next year i.e., **2018-19** as per the details attached.

Certified that the grant has been utilized as per laid down terms and conditions for which it was sanctioned.

For Children's Education Society (R)

*[Signature]*  
 Finance Officer Accounts Manager.  
 (Signature and Seal with date)

*[Signature]*  
 Registrar/Principal Director  
 (Signature and Seal with date)  
 Dr. R V Praveena Gowda  
 Principal

The Oxford College of Engineering  
 Bommanahalli, Hosur Road  
 Bengaluru-560 068

*[Signature]*  
 Chartered Accountant  
 (Signature and Seal with date)

**S. KRISHNAMURTHY**  
**CHARTERED ACCOUNTANT**  
**MEMBERSHIP No: 18429 /**



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**Annexure II**

**UTILIZATION CERTIFICATE**

Sanction No: Ref.No.65-24/RFID/SPDP/POLICY-1/2016-17  
 Date: 30.05.2018

**A. NON-Recurring**

Sl.No	Name of the Equipment Procured	Amount Sanctioned	Amount Utilized (Item wise)	Unspent Balance
01	Desktop Computers	Rs. 4,88,500	Rs. 3,79,960	Rs.218
02	Projectors		Rs. 92,322	
03	Printer Cartridges		Rs. 16,000	

**B. Recurring (Detail to be shown separately)**

Sl.No	Particulars	Cost
1	Training Charges	Rs. 4,768

Certified that the grant has been utilized for the purpose for which it was sanctioned in accordance with the "Terms and Conditions" attached to the grant. If, as a result of check or audit objection some irregularity is noticed at the later stage, action will taken to refund, adjust or regularize the amount objected to.

For Officer, Children's Education Society (R)

Finance Officer  
 (Signature and seal with date)

*A. D. Aravind*  
 PRINCIPAL  
 The Oxford College of Engineering  
 Bommanahalli, Hosur Road,  
 Bangalore - 560 068.  
 Register/Principal/Director  
 (Signature and seal with date)  
 Name and Address of the  
 University / Institutions

Note: The Utilization certificate (UC) will be signed by the Registrar / Finance Officer in the case of universities, Principals in the case of Colleges and Executive Heads of other Institutions. The provisional UC may be countersigned by the internal auditors wherever the system of the internal audit exists. In case of the self financing / Private Institutions, UC has signed by the chartered accountant.

\* This is to be submitted for every financial year



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**Annexure II**

**UTILIZATION CERTIFICATE**

Sanction No: :Ref.No.65-24/RFD/SPDP/POLICY-1/2016-17  
Date: 30.05.2018

**A. NON-Recurring**

Sl.No	Name of the Equipment Procured	Amount Sanctioned	Amount Utilized (Item wise)	Unspent Balance
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1	Training Charges	Rs. 4,768

Certified that the grant has been utilized for the purpose for which it was sanctioned in accordance with the "Terms and Conditions" attached to the grant. If, as a result of check or audit objection some irregularity is noticed at the later stage, action will taken to refund, adjust or regularize the amount objected to.

For Children's Education Society (R)

Finance Officer  
(Signature and seal with date)

*A. D. Narasimha*  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road,  
Bangalore - 560 068.  
(Signature and seal with date)  
Name and Address of the  
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Note: The Utilization certificate (UC) will be signed by the Registrar / Finance Officer in the case of universities, Principals in the case of Colleges and Executive Heads of other Institutions. The provisional UC may be countersigned by the internal auditors wherever the system of the internal audit exists. In case of the self financing / Private Institutions, UC has signed by the chartered accountant.

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**ANNEXURE - III**

**AUDITED UTILIZATION CERTIFICATE**

Certificate that out of Rs. 4,93,268 (Four Lakhs ninety three thousand two hundred and sixty eight) of Grant-in-aid sanctioned during the year 2018-2019. Letter No. Ref.No. 65-24/RFD/SPDP/POLICY/2016-2017 RS. 4,93,050 (Four Lakhs ninety three thousand fifty only) has been utilized for the purpose of Skill and Personality Development Programme Centre for SC/ST Students (SPDP) for which it was sanctioned and the balance of Rs.218 remaining unutilized at the end of the year will be adjusted towards the Grant-in-aid payable during the next year 2020-2021 as per the details attached.

Certified that the grant has been utilized as per the laid down terms and conditions for which it was sanctioned.  
For Children's Education Society (RS)

MANAGER

Finance Officer  
(Signature and seal with date)

Register/Principal/Director  
(Signature and seal with date)

PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560-068.

Chartered Accountant  
(Signature and seal with date)



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**ANNEXURE - III**


**AUDITED UTILIZATION CERTIFICATE**

Certificate that out of Rs. 4,93,268 (Four Lakhs ninety three thousand two hundred and sixty eight) of Grant-in-aid sanctioned during the year 2018-2019. Letter No. Ref.No. 65-24/RFID/SPDP/POLICY/2016-2017 RS. 4,93,050 (Four Lakhs ninety three thousand fifty only) has been utilized for the purpose of Skill and Personality Development Programme Centre for SC/ST Students (SPDP) for which it was sanctioned and the balance of Rs.218 remaining unutilized at the end of the year will be adjusted towards the Grant-in-aid payable during the next year 2020-2021 as per the details attached.

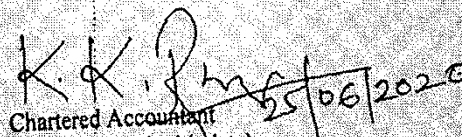
Certified that the grant has been utilized as per the laid down terms and conditions for which it was sanctioned.  
For Children's Education Society (R)

  
MANAGER

Finance Officer  
(Signature and seal with date)

  
Register/Principal/Director  
(Signature and seal with date)

PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068.

  
Chartered Accountant  
(Signature and seal with date)



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**2018-19**

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co - investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned( Rs)	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
cloud based Automatic Street Lighting system in Attibele industrial Area and Rural areas	Dr E Saravana Kumar	CSE	2018	500000	1 Year	Vision Group of Science & Technology	Government

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**CA**

**BHASKAR REDDY . V**  
 Chartered Accountant

**Mob: 9448520019**  
**8073065155**

**UTILIZATION CERTIFICATE**

**GRD NO: 847**  
**SCHEME: Research Grants for Scientists /Faculty (RGS/F)**  
**PROJECT TITLE: Cloud based Automatic Street Lighting system**  
**At/In: Industrial Area and Rural areas**

Sl. No.	Details	Amount
1	Previous year Balance (Opening Balance (O/B) if any)	Nil
2	Grants Received	Rs. 500000
3	UTR NO: SBIN419352984981 dt: 18.12.2019	
4	Bank Interest (if any)	Rs. 13634
5	Total Available Grants (1+2+3)	Rs. 513634
6	Actual Grants Utilized	Rs. 487930
7	(Statement of Expenditure Enclosed)	
8	Unspent Balance (4-5)	Rs. 25704

Certified that Rs. 500000 of grant-in-aid under (Research Grants for Scientists /Faculty (RGS/F)) was released by Karnataka Science and Technology Promotion Society (KSTePS) in favour of The Oxford College of Engineering (Account No: 181801011004015) vide letter No. YGS1 GRD-847/2018-19/2019-20/651 as stated above during the year 2018-2019. The above grant was sanctioned towards Project Title "Cloud based Automatic Street Lighting system in At/In: Industrial Area and Rural areas". Out of sanctioned grants, a sum of Rs. 487930 has been utilized for the purpose of which it was sanctioned and Rs. 25704 remained unutilized at end of the financial year 2020-2021, to be refunded (if the program is completed) whichever the case is applicable. Expenditure incurred for the purpose for which the grant was sanctioned is verified with the vouchers produced before me.

Certified that I have satisfied myself that the conditions on which the grant-in-aid was sanctioned have been fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Signature and Address of the Project Coordinator

Signature with Seal  
 Chartered Accountant  
 (M No. 239840)

**BHASKAR REDDY . V**  
 CHARTERED ACCOUNTANT

Signature of the Head of Institution and Seal

**BHASKAR REDDY . V**  
 CHARTERED ACCOUNTANT



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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

**2019-20**

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned (Rs)	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Health monitoring system for Indian railway track	Dr. Preeta Sharan	ECE	2019-2021	1529647	2	AICTE, New Delhi	Government

**PRINCIPAL**

The Oxford College of Engineering  
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No: 8-109/FDC/RPS (POLICY -1)/2019-20

Date: 05.02.2021

To

Co.B Venkat

Director

AICTE, New Delhi

Respected Sir,

Sub: Acknowledgement of receipt of RPS grant

Reference is made to above subject. We acknowledge the receipt of RPS grant of 15, 29,647 rupees on 16<sup>th</sup> January 2021 vide ACH Credit/Installment RPS/C012114204515 for No: 8-109/FDC/RPS (POLICY -1)/2019-20.

Thank you very much for all your support and for selecting our project for RPS Programme and as per your guidelines we will do the procurement for recurring and non-recurring items.

*Dr. Preeta Sharan*  
 Dr Preeta Sharan  
 Principal Investigator  
 Department of E&C Engineering  
 The Oxford College of Engineering  
 Bangalore

*Dr. Preeta Sharan*  
 PRINCIPAL  
 The Oxford College of Engineering  
 Bommanahalli - 560 068  
 Bangalore - 560 068



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**2020-21**

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned (Rs)	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
Rofus (robotic fish for underwater surveillance)	Dr. Yashoda B S	Mechatronics	2021	6000	1 Year	KSCST	Government
Humanoid robot with three gripper end effector	Mrs. Seema	Mechatronics	2021	6000	1 Year	KSCST	Government
Automated domestic water reutilization system	Mrs. Vidhya S	ISE	2021	5000	1 Year	KSCST	Government
Human detecting robot for earthquake rescue operation using iot	Dr. R Kanagavalli	ISE	2021	5000	1 Year	KSCST	Government
Appraising system for stubble burning using humanoid skull	Dr. Manju Devi	ECE	2021	6000	1 Year	KSCST	Government
Low cost density based traffic light controller system with real time air quality monitoring	Dr. Manju Devi	ECE	2021	6000	1 Year	KSCST	Government



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and integrated surveillance camera							
Contactless door and doorbell security system for pandemic	Prof. Jayaraj N	ECE	2021	6000	1 Year	KSCST	Government
Automatic mask and medicine vending machine with automatic hand sanitizer and refilling	Prof. Jayaraj N/Dr. Preethasharan	ECE	2021	6000	1 Year	KSCST	Government
Bullet proof jacket with gunshot detection technology	Dr. B. Devi Vighneshwari/Mr. Jayakumar N	EEE	2021	6000	1 Year	KSCST	Government
IoT based intelligent insulin pump	Dr. V S Bharath	EEE	2021	5000	1 Year	KSCST	Government
Characterization of aluminium 7075 short nickel coated fiber metal matrix	Prof. N Raghavendra	MECHANICAL	2021	6000	1 Year	KSCST	Government
Design and fabrication of android operated water tank cleaning machine	Prof. Vidyadhar Pujar	MECHANICAL	2021	7000	1 Year	KSCST	Government
A project on low budget electricity supply to small village by using solid waste	Ms. Kavya S K	CIVIL	2021	4000	1 Year	KSCST	Government

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Design, synthesis and characterization of nano hybrid composites for automotive applications.	Dr. Raju B R	Automobile	2021	8000	1 Year	KSCST	Government
Nanotization of Potential indigenous herbal medications in treatment of high blood pressure	Dr.B.K. Manjunath	BT	2021	2,20,665	2 Years	National Innovation Foundation	Government

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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 24.02.2022

Place: Bangalore

From,  
 Dr. Yashoda B.S.  
 Professor & HOD  
 Department of Mechatronics Engineering,  
 The Oxford College of Engineering,  
 Bangalore - 560068

To,  
 The Principal,  
 The Oxford College of Engineering,  
 Bangalore - 560068

Subject: Utilization Certificate for the KSCST fund under 44 Series -- Student Project Programme - Reg

**UTILIZATION CERTIFICATE**

**KSCST : STUDENT PROJECT PROGRAMME - 44<sup>th</sup> SERIES**

S. No.	Letter No. and date	Amount (Rs.)	Details
1	Ref: T.J. 01/NP/111 & 24 <sup>th</sup> April 2021 445_H3_1342 Title: 8051/Microcontroller Based for (Automated Garbage Bin) College: Yashoda B.S.	Rs. 6000/-	Certified that KSCST has provided partial financial support of <u>Rs. 6000</u> towards Student Project Programme - 44 <sup>th</sup> Series.  A sum of <u>Rs. 6000</u> only has been utilized for the purpose of Student Project Programme for which it was sanctioned.

Attaching the Bill along with the Letter.

We request you to kindly credit the amount to the bank order of the bank.

Name: Dr. Yashoda B.S.

Ac No: 30015225609

IFSC code: 08840012501

Bank: State Bank of India

Thanking You

Yashoda B.S.

Dr. Yashoda B.S.  
 Project Guide



CHILDREN'S EDUCATION SOCIETY (Regd.)  
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Page Bangalore

From  
Shri. V. ✓  
Assistant Professor  
Department of Mechanical Engineering  
The Oxford College of Engineering  
Bangalore - 560068

To  
The Principal  
The Oxford College of Engineering,  
Bangalore - 560068

Subject: Utilization Certificate for the KSCET fund under 44 Series - Student Project Programme - Reg

UTILIZATION CERTIFICATE

KSCET: STUDENT PROJECT PROGRAMME - 44<sup>th</sup> SERIES

Sl. No.	Letter No. and date	Amount (Rs.)	Details
1	Ref: T-01/2018-01-24 April 2018 Rs. 10,000 Vidya: Karnataka State - 44 Series Computer Project Programme Under the Regd.	10,000	Utilized Rs. 10,000 has provided partial financial support to the Student Project Programme - 44 Series A sum of Rs. 10,000 only has been released for the purpose of Student Project Programme for which it was sanctioned.

Authorized for the utilization of the fund  
The request for credit is hereby made to the Head of the Institute

Name: V. ✓  
A/c No: 5010044873402  
FSC No: 5010044873402  
Bank: KSCET Bank

Yours truly,  
Yours faithfully

(M. S. S. S.)  
Project Guide



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**THE OXFORD COLLEGE OF ENGINEERING**  
Hosur Road, Bangalore - 560 068  
**DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING**

To  
The Principal,  
The Oxford College of Engineering,  
Bangalore - 560 068

From  
S. Vitha,  
Department of Information Science & Engineering,  
OCE, Bangalore.

Commission Certificate for the KSCSL Series Student Project Programme.

Title and Reference number	Amount Sanctioned	Comments
AUTOMATED DOMESTIC WATER REUTILIZATION SYSTEM	NA	As per the guidelines student has submitted the proposal with copy of the project to KSCSL, but the sanctioned amount has not been created.
Project Reference Number 475 BE 2408		

Name of the Guide: S. Vitha

Signature of Guide: *S. Vitha*

Name: S. Vitha C

Ueno: 0643101010953

se. code, CHEB0000643



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**THE OXFORD COLLEGE OF ENGINEERING**  
Hosur Road, Bangalore - 560 068  
**DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING**

To  
The Principal,  
The Oxford College of Engineering,  
Bommanahalli, Bangalore - 560 068.

From  
Dr. P. K. Srinivasulu,  
Department of Information Science & Engineering,  
T.O.E. Bangalore.

Reference: Certificate for the AICTE under II Section - Computer Project Progression.

Title and Reference number	Assessment/Status	Remarks
PROJECT THE OXFORD COLLEGE FOR DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING AT	Yes	As per the assessment sheet and extension of the fund and self study of the project in the AICTE, the project has been approved.
Project Reference number		
Date: 10/10/2012		

Name of the Officer: Dr. P. K. Srinivasulu  
Signature of Officer: *[Signature]*

Name: Manisha Hebbar  
Roll No: 0696101641950  
Index No: ENR60000696



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**THE OXFORD COLLEGE OF ENGINEERING**  
Hosur Road, Bangalore-56  
Department of Electronics and Communication Engineering


Date: 18-08-2021

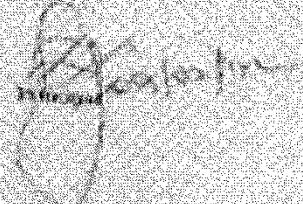
To:  
The Principal  
The Oxford College of Engineering  
Bangalore-560068

From:  
Dr. Manoj Das  
Professor and Head  
Department of Electronics and Communication Engineering  
T.O.C.E., Bangalore

Collaboration Certificate for the NSCSE (Index 44 Series)- Student Project Progression

Title and Reference Number	Amount Disbursed	Comments
Apprenticing System For Satellite Building Using Humanaid Skill  Project Reference number: 44S-06-2614	₹0000	NSCSE (Index 44 Series)- (As checked records from past payments during 2020-21) in favor of The Oxford College of Engineering. Project has utilized the amount of ₹0000 for expenditure incurred. The actual cost has not been released because the bill copy, report and C/O was not sent in the past date, as students were not at Bangalore due to COVID-19 pandemic. This amount has been used for C/O.

Name of the Guide: Dr. Manoj Das  
Signature of Guide:   
Professor & HOD of ECE Engineering  
The Oxford College of Engineering  
Bommanahalli, Bangalore-560 068

  
Principal



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Children's Education Society (Regd.)  
**THE OXFORD COLLEGE OF ENGINEERING**  
 Hosur Road, Bangalore-56

Department of Electronics and Communication Engineering

Date: 04/12/2021

To  
 The Principal  
 The Oxford College of Engineering,  
 Bangalore- 560068.

From  
 Dr. Manju Devi  
 Professor and Head  
 Department of Electronics and Communication Engineering,  
 TCE, Bangalore.

Utilization Certificate for the KSCNT under 44 Series- Student Project Programme.

Title and Reference number	Amount Sanctioned	Comments
LOW COST DENSITY BASED TRAFFIC LIGHT CONTROLLER SYSTEM WITH REAL TIME AIR QUALITY MONITORING AND INTEGRATED SURVEILLANCE CAMERA  Project Reference number: 649 DE 4431	1000/-	KSCNT sanctioned 1000/- (Thousand rupees) for part payment during 2020-21 in favour of The Oxford College of Engineering. Project had utilized the amount 600/- for components purchase. The second part has not been released because the final report and CD was not sent on the due date, as students were out of Bangalore for more than 60 days, later submitted final report and CD.

Name of the Guide: Dr. Manju Devi

Signature of Guide:

Principal:

The Oxford College of Engineering,  
 Bommanahalli, Hosur Road,  
 Bangalore- 560 068

Name of the Student: Archana K  
 Roll No: 12.0710100061831  
 Date: 06/12/2021




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 **THE OXFORD COLLEGE OF ENGINEERING**  
 Hosur Road, Bangalore-68

**Department of Electronics and Communication Engineering**

Date: 06/2/2022

To  
 The Principal  
 The Oxford College of Engineering,  
 Bangalore- 560068

From  
 Mr. Jayaraj N  
 Assistant Professor  
 Department of Electronics and communication Engineering  
 TUCOE, Bangalore

Utilization Certificate for the KSCNT under 44 Series- Student Project Programme.

Title and Reference number	Amount Sanctioned	Comment
Contract for work and their net security system for Pandemon  Project Reference number 44N/24/2021	6000/-	KSCNT sanctioned 3000/- (Three thousand rupees) first part payment during 2020-21 to favour of The Oxford college of Engineering. Project had utilized the amount 6000/- for components purchase. The second part has not been released because the hard copy report and CD was not submitted on the said date, as students were out in Bangalore for active due to pandemic, later submitted hard copy and CD.

Name of the Guide: Mr. Jayaraj N  
 Signature of Guide: *N. Jayaraj*

*[Signature]*  
 Principal  
 /PRINCIPAL  
 The Oxford College of Engineering,  
 Bommanahalli, Hosur Road,  
 Bangalore- 560 068

Name of the student: Sanjay M  
 Acc. No: 40612713804  
 TAFE. No: IBIN0011285



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**Children's Education Society of**  
**THE OXFORD COLLEGE OF ENGINEERING**  
 Hosur Road, Bangalore-68

**Department of Electronics and Communication Engineering**

Date: 9/03/2022

To  
 The Principal  
 The Oxford College of Engineering,  
 Bangalore- 560068.

From  
 Mr. Jayaram N.  
 Assistant Professor  
 Department of Electronics and communication Engineering  
 TOCE, Bangalore.

Utilization Certificate for the KNCST under 44 Series- Student Project Programmes.

Title and Reference number	Amount Sanctioned	Comment
Automatic mesh and wireframe Vending Machines with automatic hard Sanitizer and refilling.  Project Reference number 44s BK 4584	₹600/-	LSU 51 sanctioned ₹600/- (Three thousand rupees) first part payment during 2020-21 in favour of The Oxford college of Engineering. Project had utilized the amount ₹600/- for components purchase. The second part has not been released because the hard copy report and CD was not sent on the said date, as students were out of Bangalore (in panic due to pandemic). Here submitted hard copy and CD.

Name of the Guide: Mr. Jayaram N.  
 Signature of Guide: *[Signature]*

*[Signature]*  
 Principal  
 (PRINCIPAL)

The Oxford College of Engineering  
 Bommanahalli, Hosur Road,  
 Bangalore- 560 068.

Guide's Name: Jayaram N.  
 Ph: 080-61754602/602  
 Ph: 080-61754602/602



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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 24.07.2022

Place: Bangalore

From  
Dr. B. Dev Vigneshwaran,  
Associate Professor,  
Department of Electrical & Electronics Engineering,  
The Oxford College of Engineering,  
Bangalore - 560068

To  
The Principal,  
The Oxford College of Engineering,  
Bangalore - 560068

Subject: Utilization Certificate for the KSCST fund under 44 Series - Student Project Programme - Reg

**UTILIZATION CERTIFICATE**

**KSCST : STUDENT PROJECT PROGRAMME - 44<sup>th</sup> SERIES**

Sl. No.	Letter No. and date	Amount (Rs.)	Details
1	Ref: T-101/SPP/10 A 34 <sup>th</sup> April 2021 415 HE 2519 Title: Water based inkjet with fine spray technique Faculty: Dr. B. Dev Vigneshwaran & Dr. Sankaranarayanan	Rs.6000/-	Certified that KSCST has provided partial financial support of <u>Rs. 6000</u> towards Student Project Programme - 44 <sup>th</sup> Series.  A sum of <u>Rs. 6000</u> only has been utilized for the purpose of Student Project Programme for which it was sanctioned.

Attaching the bills along with this letter.

We request you to duly credit the amount to the bank under of the bank.

Name: Ashish K

AN No: 17040275673

IFSC code: SBIN0060251

Bank: State Bank of India

Thanking You  
Yours faithfully

Dr. B. Dev Vigneshwaran  
Project Guide

Principal  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560068



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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 24.02.2022

Place: Bangalore

From,  
Dr. Bharath V S,  
Professor & HOD,  
Department of Electrical & Electronics Engineering,  
The Oxford College of Engineering,  
Bangalore - 560068.

To,  
The Principal,  
The Oxford College of Engineering,  
Bangalore - 560068.

Subject: Utilization Certificate for the KSCST fund order 44 Series - Student Project Programme - Reg

**UTILIZATION CERTIFICATE**

**KSCST : STUDENT PROJECT PROGRAMME - 44<sup>TH</sup> SERIES**

Sr. No.	Letter No. and Date	Amount (Rs.)	Details
1	Ref: YJ 01/SP/10 & 24 <sup>th</sup> April 2022 JAN JE 2120 Title: IoT Based Fire Alarm System	Rs.5000/-	Certified that KSCST has provided period financial support of Rs. 5000 towards Student Project Programme - 44 <sup>th</sup> Series.  A sum of Rs. 5000 only has been utilized for the purpose of Student Project Programme for which it was sanctioned.

Attaching the Bills along with the Letter.

We request you to kindly assist for amount to the Headmaster of the Project.

Name: SHARATH V S

A/c No: 6402287264

IFSC code: SBIN0010004

Bank: State Bank of India

Thanking You

Yours Faithfully

*Dr. Bharath V S*

(Dr. Bharath V S)  
Project Guide

*[Signature]*  
PRINCIPAL  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore - 560 068



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To,  
 Mr. Raghavendra N.  
 Assistant Professor  
 Dept. of Mechanical Engineering  
 The Oxford College of Engineering  
 Bangalore - Mirasol

Date: 19/2/2021  
 Place: Bangalore

From,  
 The Principal  
 The Oxford College of Engineering  
 Bangalore - Mirasol

Subject - Utilization certificate for the RSCST fund under 44 series - Student Project  
 Programme - Reg.

**UTILIZATION CERTIFICATE**  
**RSCST STUDENT PROJECT PROGRAMME 44<sup>th</sup> SERIES**

No.	Amount (Rs.)	Details
Sl. No. 445, 30, 2582	Rs. 1000/-	Certificate (RSCST) has provided partial financial support of Rs. 1000/- towards Student Project Programme - 44 <sup>th</sup> series.  Amount of Rs. 1000/- has been utilized for the purpose of Student Project Programme for which it was sanctioned.

Enclosing the bill along with this letter  
 We kindly request you to credit the amount to the bank account of the Society.

Account Name: Children's Education Society  
 A/c No: 17113341999  
 IFSC Code: SBIN0002026  
 Bank Name: STATE BANK OF INDIA  
 Branch: VICTORIA ROAD BRANCH

Thanking you  
 Yours sincerely,

(M. Raghavendra N.)  
 Project guide

*[Signature]*  
 PRINCIPAL  
 The Oxford College of Engineering  
 Bommanahalli, Hosur Road  
 Bangalore - 560 068



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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

From:  
Dr. Vidyanath Pagar  
Associate Professor  
Dept. of Mechanical Engineering  
The Oxford College Of Engineering  
Bangalore - 560068

Date: 24/12/2021  
Place: Bangalore

To:  
The Principal  
The Oxford College Of Engineering  
Bangalore - 560068

Subject: Utilization certificate for the KNCST fund under 44 series - Student Project Programme - Reg

**UTILIZATION CERTIFICATE**  
**KNCST STUDENT PROJECT PROGRAMME 44<sup>th</sup> SERIES**

Sl. No.	Amount (Rs.)	Details
1	Rs. 5000	Certified that KNCST has provided partial financial support of Rs. 5000 towards Student Project Programme - 44 <sup>th</sup> series. Amount of Rs. 5000 only has been utilized for the purpose of Student Project Programme - 44 <sup>th</sup> series (as per records).

Attaching the bill along with the form.  
We kindly request you to credit the amount to the bank account of the bank.

Account name: Sarvagya's Engineering Institute  
AC No: 31123177567  
IFSC No: SBIN0001515  
Bank name: STATE BANK OF INDIA  
Branch: Changanassery

Thanking you  
Yours sincerely

Dr. Vidyanath Pagar  
Associate Professor  
(Project guide)

Principal  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore - 560 068



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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Date: 24.02.2022  
Place: Bangalore

From  
Mr. Karan S.K.  
Assistant Professor  
Department of Electrical & Electronics Engineering  
The Oxford College of Engineering  
Bangalore - 560068

To  
The Principal,  
The Oxford College of Engineering,  
Bangalore - 560068

Subject: Utilization Certificate for the KSCET fund under 44 Series - Student Project Programme - Reg

**UTILIZATION CERTIFICATE**

**KSCET - STUDENT PROJECT PROGRAMME - 44<sup>th</sup> SERIES**

Sr. No.	Letter No. and date	Amount (Rs.)	Details
1	Ref: 53/11/2019/24 April 2022 24.02.2022  Title: A Project on Low Budget & Renewable Supply to Rural Village by Using Solar Water	Rs. 4000	Verified that KSCET has provided partial financial support of Rs. 4000 towards Student Project Programme - 44 <sup>th</sup> Series.  A sum of Rs. 4000 only has been released for the purchase of Student Project Programme for which it is now being used.

Attaching the Bill along with the cheque  
We request you to kindly credit the amount to the bank branch of the bank.

Respectfully,  
Dr. S. S. Srinivasan

Principal, THE OXFORD COLLEGE OF ENGINEERING, BANGALORE

Bank: Bank of Baroda  
Branch: Channarayana

Thanking You  
Yours Faithfully

(Karan S.K.)  
Project Guide

(Signature)  
Head of the Department  
Department of Electrical & Electronics Engineering  
The Oxford College of Engineering  
Bangalore - 560068



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**THE OXFORD COLLEGE OF ENGINEERING**  
Hosur Road Bengaluru -68  
**DEPARTMENT OF AUTOMOBILE ENGINEERING**

Date: 8/2/22


To:  
The Principal,  
The Oxford College of Engineering,  
Bangalore 560068.


From:  
Dr. RAJU B R,  
Department of Automobile Engineering,  
T.O.E. Bangalore.

Utilization Certificate for the KSCNT under 44 Series Student Project Programme.

Title and Reference number	Amount Sanctioned	Comment
EXERCISES AND CREATION OF NEW PROJECTS FOR AUTOMOBILE ENGINEERING	50,000	As per the guidelines students had submitted the hard and soft copy of the project to KSCNT, but the sanctioned amount has not been released.
Project Reference Number		
445 BE 2537		

Name of the Guide: Dr. RAJU B R

Signature of Guide: 

Signature of Head: 

Professor & Head,  
Department of Automobile Engineering,  
The Oxford College of Engineering,  
Bommanahalli, Hosur Road,  
Bangalore - 560 068.



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**List of grants received for research projects during the last five years along with the nature of award, the awarding agency and the amount**

Sl. No.	Year	Project	Faculties involved	Funding Agencies	Amounts in Rs.
1.	2016-17	3	3	3	945440
2.	2017-18	7	7	2	2333824
3.	2018-19	7	8	2	541500
4.	2019-20	14	13	4	10762147
5.	2020-21	17	13	3	5333311
<b>Total</b>		<b>48</b>	<b>44</b>	<b>14</b>	<b>19916222</b>

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**2016-17**

SL. No	Name of the Project/ Endowments , Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
1.	Wireless mouse and keyboard for Handicapped	Dr. Preeta Sharan	ECE	2016-17	932940	1 year	ICMR, New Delhi	Government
2.	E – Lasike Velapatti - baby Vaccination Tracking APP in Kannada	Prof. Sowmya HK	CSE	2016-17	5500	9 Months	KSCST	Government
3.	Investigation on Performance and Emission Behaviors of Compression ignition Engine Fueled with Two Bio-Diesel Blends	Dr. B.R. Raju	AU	2016-17	10,000	6 months	KSCST	Government

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**2017-18**

SL. No	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
1.	Skill and Personality Development Programme - AICTE	Dr. R.J. Anandhi	CSE	2017-18	2298824	3 Years	AICTE	Government
2.	Pitch based human computer interface for Quadriplegic and speech Impaired	Dr.Preeta Sharan	ECE	2017-18	8000	1 Year	KSCST	Government
3.	Android based application to detect potholes and uneven roads in the city	Prof. Sowmya HK	CSE	2017-18	3500	9 Months	KSCST	Government
4.	Visual Based E-Service for Transportation system for BMTC	Prof. Seema Patil, Nikitha B	CSE	2017-18	4000	9 Months	KSCST	Government
5.	Construction and designing of bio pile for ex situ remediation of used oil /toxic hydrocarbons using fungal consortium	Dr. B.K. Manjunatha	BT	2017-18	6,000	9Months	KSCST	Government

  
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6.	Investigation on the mechanical and tribological characterization of nanoparticulate filled fiber reinforced hybrid composites for automobile applications	Dr. Raju B R	AU	2017-18	6,500	9 months	KSCST	Government
7.	biosensors for the detection of various malignant tumor cells	Dr. Preetha Sharan	ECE	2017-18	7,000	9 months	KSCST	Government

  
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**2018-19**

SL. No.	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
1.	Cloud based Automatic Street Lighting system in Attibele industrial Area and Rural areas	Dr E Saravana Kumar	CSE	2018-19	500000	1 Year	Vision Group of Science & Technology	Government
2.	Source Code Generator Using Speech	Dr. R Kanagavalli	ISE	2018-19	5500	9 Months	KSCST	Government
3.	Neonatal Blood Pressure Measuring System using Micro Opto Mechanical System based Sensor	Mr. Anup M Upadhyaya Mr. Vidhyadhar Pujar	MECH	2018-19	4000	9 Months	KSCST	Government
4.	Drainage Cleaning Machine	Prof. Raghavendra N	MECH	2018-19	6000	9 Months	KSCST	Government
5.	Roadside Dust Cleaning Machine with Conveyor Mechanism	Prof. Shivashesh hadri	MECH	2018-19	10,000	9 Months	KSCST	Government
6.	Wearable bionic hand for amputees for basic needs	Dr. Preeta Sharan	ECE	2018-19	7000	9 Months	KSCST	Government

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7.	Influence of nanofillers on mechanical and tribological properties of fiber reinforced hybrid composites for automotive Industry applications	Dr. Raju B R	AU	2018-19	9000	9 Months	KSCST	Government
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**2019-20**

SL. No.	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
1.	Efficient bioremediation tool for hydrocarbon contamination management. scale up and pilot scale study	B.K. Manjunatha	BT	2019-20	40,00,000	2019-2021	BIRAC	Government
2.	Establishing facility for design, synthesis and characterization of nano hybrid composites for agricultural applications	Dr.Raju B R	AU	2019-20	20,00,000	2019-2021	VGST	Government
3.	Design of Voice Operated Wheelchair Using Roger-Bogie Mechanism	Mr. Rohan	MECH	2019-20	6500	9 Months	KSCST	Government
4.	Automated Waste Segregation & Sterilization by UV Radiation	Mr. Nagaraja T V	MECH	2019-20	6000	9 Months	KSCST	Government

  
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5.	Recycling of PET Plastic Using Fused Filament Extrusion Process	Mr. Shiva Kumar M	MECH	2019-20	6,500	9 Mont hs	KSCST	Government
6.	Health monitoring system for Indian railway track	Dr.Preet a Sharan	ECE	2019-20	1529647	2 Years	AICTE, New Delhi	Government
7.	Design and Development of Fiber Bragg Grating sensing system for monitoring handgrip muscle fatigue	Dr.Preet a Sharan	ECE	2019-20	25,00,000	2 Years	VGST	Government
8.	Head-Eyes system of Humanoid skull	Dr.Manj u Devi	ECE	2019-20	5000	1 Year	KSCST	Government
9.	Robotic Cook	Dr. R Kanagav alli	ISE	2019-20	4000	9 Mont hs	KSCST	Government
10.	Prerana- AICTE	Dr R Ch A Naidu	CSE	2019-20	683000	1 Year	AICTE	Government
11.	Smart Ornament for Women Security & Safety	Prof. Seema Patil	CSE	2019-20	4000	9 Mont hs	KSCST	Government
12.	Skin Cancer Detection Using Machine Learning	Prof. G Florance	CSE	2019-20	4500	9 Mont hs	KSCST	Government
13.	Water air and light transforming energy resources	Dr.Yasho da B S	MTE	2019-20	8000	9 mont hs	KSCST	Government
14.	An Automated Foodway Track Restaurant	Mr. Amaresh a	ISE	2019-20	5000	9 Mont hs	KSCST	Government

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**2020-21**

SL. No	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
1.	Rofus (Robotic Fish for Underwater Surveillance)	Dr. Yashoda B S	MTE	2020-21	6000	1 Year	KSCST	Government
2.	Humanoid Robot with Three Gripper End Effector	Mrs. Seema	MTE	2020-21	6000	1 Year	KSCST	Government
3.	Automated Domestic Water Reutilization System	Mrs. Vidhyas	ISE	2020-21	5000	1 Year	KSCST	Government
4.	Human Detecting Robot for Earthquake Rescue Operation Using IOT	Dr. R Kanagavalli	ISE	2020-21	5000	1 Year	KSCST	Government
5.	Appraising System for Stubble Burning Using Humanoid Skull	Dr. Manju Devi	ECE	2020-21	6000	1 Year	KSCST	Government
6.	Low-Cost Density Based Traffic Light Controller System with Real Time Air Quality Monitoring and Integrated Surveillance Camera	Dr. Manju Devi	ECE	2020-21	6000	1 Year	KSCST	Government
7.	Contactless Door and Doorbell	Prof. Jayaraj	ECE	2020-21	6000	1 Year	KSCST	Government

**PRINCIPAL**

8

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	Security System for Pandemic	N						
8.	Automatic Mask and Medicine Vending Machine with Automatic Hand Sanitizer and Refilling	Jayaraj N/Pree thasharan	ECE	2020-21	6000	1 Year	KSCST	Government
9.	Bullet Proof Jacket with Gun Shot Detection Technology	B. Devi Vighneshwari/ Mr. Jayakumar N	EEE	2020-21	6000	1 Year	KSCST	Government
10.	IOT Based Intelligent Insulin Pump	Dr. V S Bharath	EEE	2020-21	5000	1 Year	KSCST	Government
11.	Characterization of Aluminum 7075 Short Nickel Coated Fiber Metal Matrix	Prof. N Raghavendra	MECH	2020-21	6000	1 Year	KSCST	Government
12.	Design And Fabrication of Android Operated Water Tank Cleaning Machine	Prof. Vidyadhar Pujar	MECH	2020-21	7000	1 Year	KSCST	Government
13.	A Project on Low Budget Electricity Supply to Small Village by Using Solid Waste	Ms. Kavya S K	CIVIL	2020-21	4000	1 Year	KSCST	Government
14.	Design, Synthesis and Characterization of Nano Hybrid Composites for Automotive Applications.	Dr. Raju B R	AU	2020-21	8000	1 Year	KSCST	Government
15.	Nanotization of Potential indigenous herbal medications in treatment of high blood pressure	Dr.B.K. Manjunath	BT	2021	441331	2 Years	National Innovation Foundation	Government

**PRINCIPAL 9**

The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru-560 068



**CHILDREN'S EDUCATION SOCIETY (Regd.)  
THE OXFORD COLLEGE OF ENGINEERING**

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Approved by A.I.C.T.E. New Delhi.


Recognised by UGC Under Section 2(f)

Bommanahalli, Hosur Road, Bangalore - 560 068.

Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: [www.theoxfordengg.org](http://www.theoxfordengg.org)

16.	Protection and monitor of lake using smart device	Dr. Preeta Sharan	ECE	202 0-21	5000	1 year	IEEE Bangalore section	Private
17.	Multi-Purpose Robotic hand	Dr. Preeta Sharan	ECE	202 0-21	5000	1 year	IEEE Bangalore section	Private

  
**PRINCIPAL**  
 The Oxford College of Engineering  
 Bommanahalli, Hosur Road  
 Bangalore - 560 068




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Bommanahalli, Hosur Road, Bangalore - 560 068.  
Ph: 080 - 61754601/602, Fax: 080 - 25730551  
E-mail: engprincipal@theoxford.edu Web: www.theoxford.edu

**List of teachers along with the department affiliation, title of the funded project, the amount and the funding agency during the last five years**

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**PRINCIPAL**  
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**Summary:**

Number of Departments Functioning and list of Departments got Funding for Research

The College has 11 Departments. In last five years 9 Departments received Grants from different agencies for Research projects

Sl. No.	Year	Departments received funds	Departments receiving Grants	Number of Departments
1.	2016-17	CSE,ECE,AU	3	11
2.	2017-18	CSE,ECE,BT,AU	4	11
3.	2018-19	CSE,ISE,ECE,AU,ME	5	11
4.	2019-20	ISE,ECE,BT,AU,MTE,ME	6	11
5.	2020-21	ISE,ECE,EEE,CV,AU,MTE,ME	7	11

Sl.no	Department	Year wise Grant received details				
		2016-17	2017-18	2018-19	2019-20	2020-21
1.	Computer Science & Engineering	1	3	1	3	0
2.	Information Science & Engineering	0	0	1	2	2
3.	Electronics & Communication Engineering	1	2	1	3	6
4.	Electrical & Electronics Engineering	0	0	0	0	2
5.	Mechanical Engineering	0	0	3	3	2
6.	Biotechnology	0	1	0	1	1
7.	Civil Engineering	0	0	0	0	1
8.	Automobile Engineering	1	1	1	1	1
9.	Mechatronics	0	0	0	1	2
10.	Master of Business Administration	0	0	0	0	0
11.	Master of Computer Applications	0	0	0	0	0
<b>Total</b>		<b>3</b>	<b>7</b>	<b>7</b>	<b>14</b>	<b>17</b>

**PRINCIPAL**

The Oxford College of Engineering  
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**2016-17**

**List of teachers along with the department affiliation, title of the funded project,  
the amount and the funding agency**

SL No.	Name of the Project/ Endowment s, Chairs	Name of the Principal Investiga tor/Co- investiga tor	Depa rtme nt of Princi pal Inves tigat or	Year of Awar d	Amou nt Sancti oned	Durati on of the projec t	Name of the Fundin g Agenc y	Type (Govern ment/n on- Govern ment)
1.	Wireless mouse and keyboard for Handicappe d	Dr. Preeta Sharan	ECE	2016- 17	93294 0	1 year	ICMR, New Delhi	Govern ment
2.	E – Lasike Velapatti - baby Vaccination Tracking APP in Kannada	Prof. Sowmya H K	CSE	2016- 17	5500	9 Month s	KSCST	Govern ment
3.	Investigatio n on Performanc e and Emission Behaviors of Compression ignition Engine Fueled with Two Bio- Diesel Blends	Dr. B.R. Raju	AU	2016- 17	10,000	6 month s	KSCST	Govern ment

**PRINCIPAL**  
The Oxford College of Engineering  
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Bangalore-560 068



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E-mail: enggprincipal@theoxford.edu Web: www.theoxfordengg.org

**E – Copies of Sanctioned Letters from Funding Agencies**

Tel: 265688960, 26588895

FAX : 011-6868662

GRAM : SCIENTIFIC

**INDIAN COUNCIL OF MEDICAL RESEARCH**  
ANSARI NAGAR, POST BOX NO. 4911  
NEW DELHI - 110029

File No. 5/3/8/329/2017-ITR

Dated: 29.03.2017

**The Principal**  
**The Oxford College of Engineering**  
**Bommanahalli, Hosur Road**  
**Bengaluru- 560 068**

**Subject:** Sanction of Budget allotment for the ICMR Ad-hoc Project entitled, "Wireless mouse and keyboard for Handicapped" under Dr. Preeta Sharnn, Bangalore 560 068.

**Sir/Madam**

The Director General of the Council sanctions the above mentioned project initially for a period of one year i.e. from 29<sup>th</sup> March, 2017 to 28<sup>th</sup> March 2018 subject to extension up-to total duration specified in para (3) below.

The Director General of the ICMR also sanctions the budget allotment of Rs.9,32,940/- (Rupees Nine Lakh Thirty Two Thousand Nine Hundred and Forty only) as detailed in the attached statement for the period ending 29<sup>th</sup> March, 2017 to 28<sup>th</sup> March 2018.

First & final Installment of grant-in-aid of Rs.9,32,940/- for the First Year will be released out of the first year budget of Rs.9,32,940/- The payment of the grant will be made in two installment in the name of Head of the Institute through RTGS BANK ACCOUNT NUMBER: 181801011000570, MICR code of bank 560029121 A copy of Mandate Form & cancelled cheque are enclosed).

1. The first installment of the grant will be paid generally as soon as report regarding the commencement of the project and appointment of the staff is received by the Council. The demand for payment of the subsequent installment of the grant should be placed with the Council in advance.
2. The staff appointed on the project should be paid as indicated in the attached budget statement.
3. The approved duration of the research scheme is One Year . The annual extension will be given after review of the work done on the research scheme during the previous year.
4. Five copies of the annual progress report of work done be submitted to the Council every year after completion of ten months of the project. Failure to submit the report in time may lead to termination of the project.

Contd.....2/-



**CHILDREN'S EDUCATION SOCIETY (Regd.)**  
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Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: enggprincipal@theoxford.edu Web: www.theoxfordengg.org

- 2 -

5. The Institute will maintain a separate account of the receipts and the expenditure incurred on the research scheme and will furnish an utilization certificate and an audited statement of the account pertaining to the grant.

6. The other terms and conditions are indicated in Annexure-1.

The receipt of this letter may please be acknowledged.

Yours faithfully,

*(Signature)*  
(Subhash Chandra)  
Admn. Officer  
for Director General

Copy together with a copy of the budget statement forwarded for information to:

1. Dr. Preeta Sharan, Professor, Dept of E&C, The Oxford College of Engineering, Bangalore-560 068.
2. Copy together with two copies of the budget statement forwarded to Accounts Section-V, ICMR for information and necessary action. The expenditure on the account may be met from the provision made for Division of ITR for Ad-hoc project on grant-in-aid basis in the budget of the Council for the financial year 2016-17.
3. Copy together with two copies of the budget statement forwarded to budget section (Finance) ICMR for completion of the Council's budget.
4. IRIS cell, ICMR,  
RFC No. ITR/Ad-hoc/17/2016-17 dt.28.03.17

*(Signature)*  
for Director General



**CHILDREN'S EDUCATION SOCIETY (Regd.)**  
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**INDIAN COUNCIL OF MEDICAL RESEARCH**  
**ANSARI NAGAR, POST BOX NO. 4911**  
**NEW DELHI - 110029**

File No. 5/3/8/329/2017-ITR

Dated: 29.03.2017

**Subject: 1<sup>st</sup> & final instt of First Year grant-in-aid of ICMR Ad-hoc Project entitled. "Wireless mouse and keyboard for Handicapped" under Dr. Preeta Sharan, Bangalore-560 068.**

**MEMORANDUM:**

Reference this office letter of even number dated

The Director General, ICMR sanctions the payment of Rs.9,32,940/- (Rupees Nine Lakh Thirty Two Thousand Nine Hundred and Forty only) as the 1<sup>st</sup> & final instt of First year grant-in-aid for incurring expenditure in this connection with the above mentioned Research scheme. The amount of Rs.9,32,940/- may be debited in the provision of Rs.9,32,940/- made for the above mentioned research scheme for the 1st year i.e. from 28.03.2017 to 28.03.2018.

A formal bill for Rs.9,32,940/- is sent herewith for payment to The Principal, The Oxford College of Engineering, Bommanahalli, Hosur Road, Bengaluru- 560 068. RTGS: BANK ACCOUNT NUMBER: 18180101000570, MICR code of bank 560029121 (A copy of Mandate Form & Cancelled Cheque are enclosed).

RFC No. ITR/Ad-hoc/17/2016-17 dt.28.03.17

[Subhash Chand]  
Admn. Officer

Accounts Section - V, ICMR

1. The Principal, The Oxford College of Engineering, Bommanahalli, Hosur Road, Bengaluru- 560 068. An amount of Rs.9,32,940/- of 1<sup>st</sup> & final instt of 1st Year is being credited to your account as per detailed submitted by you. The grant has been sanctioned on the condition laid down in our letter referred to above.
2. Dr. Preeta Sharan, Professor, Dept of E&C, The Oxford College of Engineering, Bangalore-560 068.
3. IRIS cell, ICMR

  
for Director-General



**CHILDREN'S EDUCATION SOCIETY (Regd.)**  
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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

**Karnataka State Council for Science and Technology**

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone 080-2334 1652, 2334 8848, 2334 8849 • Telefax: 080-2334 8840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in • Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

27th March, 2017

Ref: 7.1.03/SPP/1112

The Principal  
The Oxford College of Engineering  
Bommanahalli Hosur Road  
Bengaluru - 560 068

Dear Sir,

Sub : Sanction of Student Project - 40th Series: Year 2016-2017  
Your Project Proposal Reference No. : 40S\_BE\_1553

Ref : Your Project Proposal entitled " **E-LASIKE VELAPATTI - BABY VACCINATION TRACKING APP IN KANNADA**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 40th Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Ms. S. Harshita and others	Budget	Amount (Rs)
Guide/s	Prof. Sowmya H.K.	Materials/Consumables	4,000.00
		Labor	-
		Travel	500.00
Department	Computer Science And Engineering	Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>5,500.00</b>
<b>Rupees Five Thousand Five Hundred</b>			

The following are the guidelines to carry out the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project sanction reference number printed above in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

Description	
By Cheque No. 36494a	Date 28/03/17
at 55M 700	
Signature	



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**Karnataka State Council for Science and Technology**

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-2334 8852, 2334 8848, 2334 8849 • Telefax: 080-2334 8849

E-mail: office@kscst.iisc.ernet.in, office@kscst.org.in • Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

27th March, 2017

Ref: 7.1/03/SPP/1112

The Principal  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bengaluru - 560 068

Dear Sir,

Sub: Sanction of Student Project - 40th Series, Year 2016-2017

Your Project Proposal Reference No.: 40S\_BE\_1573

Ref: Your Project Proposal entitled "

**INVESTIGATION ON THE INFLUENCE OF MICRO/NANO  
FILLERS ON TRIBOLOGICAL BEHAVIOUR OF FIBER  
REINFORCED HYBRID COMPOSITES FOR AGRICULTURE  
APPLICATIONS**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 40th Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Satyanarayana Mohanty G and others	Budget	Amount (Rs)
		Materials/Consumables	6,000.00
Guide/s	Prof. Raju B.R	Labor	-
		Travel	-
Department	Automobile Engineering	Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>7,000.00</b>
<b>Rupees Seven Thousand</b>			

The following are the guidelines to carryout the project work

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail (spp@kscst.iisc.ernet.in) and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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**2017-18**

**List of teachers along with the department affiliation, title of the funded project,  
the amount and the funding agency**

SL No.	Name of the Project/ Endowments , Chairs	Name of the Principal Investiga tor/Co- investiga tor	Depart ment of Principa l Investig ator	Ye ar of Aw ard	Amou nt Sancti oned	Durati on of the projec t	Name of the Fundin g Agenc y	Type (Gover nment /non- Govern ment)
1.	Skill and Personality Development Programme - AICTE	Dr. R.J. Anandhi	CSE	20 17- 18	22988 24	3 Years	AICTE	Govern ment
2.	Pitch based human computer interface for Quadriplegic and speech Impaired	Dr.Preeta Sharan	ECE	20 17- 18	8000	1 Year	KSCST	Govern ment
3.	Android based application to detect potholes and uneven roads in the city	Prof. Sowmya H K	CSE	20 17- 18	3500	9 Month s	KSCST	Govern ment
4.	Visual Based E-Service for Transportatio n system for BMTc	Prof. Seema Patil, Nikitha B	CSE	20 17- 18	4000	9 Month s	KSCST	Govern ment
5.	Construction and designing of bio pile for ex situ remediation of used oil /toxic hydrocarbons using fungal consortium	Dr. B.K. Manjunat ha	BT	20 17- 18	6,000	9Mont hs	KSCST	Govern ment

9  
**PRINCIPAL**  
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 Bengaluru-560 068



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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

6.	Investigation on the mechanical and tribological characterization of nanoparticle filled fiber reinforced hybrid composites for automobile applications	Dr. Raju B R	AU	20 17- 18	6,500	9 month s	KSCST	Govern ment
7.	biosensors for the detection of various malignant tumor cells	Dr.Preetha Sharan	ECE	20 17- 18	7,000	9 month s	KSCST	Govern ment

**PRINCIPAL**

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8216  
19/06/17

27/11/17

**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**  
 Nelson Mandela Marg, Vasant Kunj, New Delhi-110067

Ref. No. 65-24/RIFD/SPDP/POLICY-12016-17

The Drawing and Disbursing Officer  
 Nelson Mandela Marg, Vasant Kunj,  
 New Delhi-110067

15.05.2017  
10

Sub: Release of Grant-in-Aid under Skill and Personality Development Programme Centre for SC/ST Students (SPDP) for the year 2016-17 payable during the current financial year 2017-18.

Sir,

I am directed to convey the sanction of the Council for payment of Rs.1149412/- (Rupees Eleven Lakh FortyNine Thousand Four Hundred Twelve Only) for the year 2016-17 out of the total approved grant-in-aid of Rs.2295824/- (Rupees TwentyTwo Lakh NinetyEight Thousand Eight Hundred TwentyFour Only) under the Skill and Personality Development Programme Centre for SC/ST Students (SPDP) to THE OXFORD COLLEGE OF ENGINEERING, BANGALORE RURAL, BANGALORE, Karnataka for meeting the expenditure for implementing the Scheme as per details given below:

- Name of the Beneficiary Institution (University / College / Institution) : THE OXFORD COLLEGE OF ENGINEERING, HOSUR ROAD, BOMMANAHALLI, BANGALORE RURAL, BANGALORE-560068, Karnataka
- Chief Coordinator's Name & Deptt. : Dr. ANANDH R J Deptt. of Computer Science/ Technical En
- Grant-in-aid Sanctioned : Rs. 2298824/-  
 Non-Recurring : 1<sup>st</sup> Year Rs.977000/-, 2<sup>nd</sup> Year Rs.488500/-, 3<sup>rd</sup> Year Rs.488500/-  
 Recurring : Rs.172412/-, Rs.86206/-, Rs.86206/-
- Amount to be released : Rs. 1149412/- (50% of the total recommended amount)

50% at initial stage on acceptance of proposal. The remaining amount 25% each in 2<sup>nd</sup> and 3<sup>rd</sup> Year

5. Approved Duration (in years) : 3 Year

- The sanctioned grant-in-aid is debitable to the major Head 601.33.b.ec (SC/ST) SPDP grant and is valid for payment during the financial year 2017-18.
- The grant-in-aid of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of The Principal, THE OXFORD COLLEGE OF ENGINEERING, HOSUR ROAD, BOMMANAHALLI, BANGALORE RURAL, BANGALORE-560068, Karnataka through RTGS.
- The Institute is requested to verify the correctness of the under mention bank account/ RTGD submitted by them along with the proposals, in which the grant is being released. In case of any omission the same should be reported to AICTE immediately along with refund of entire grant.

Bank Name	Bank Branch and address	Account Holder's Name	Account Number	Type of Account	IFSC Code	Type of Institution	Institution's PAN No.
VJAY A BANK	OXFORD ENGG. COLLEGE EXTN. COUNTER, OXFORD COLLEGE OF ENGG & ENGINEERING, OXFORD DENTAL COLLEGE, BANGALORE, KARNATAKA	THE OXFORD COLLEGE OF ENGINEERING	18180101100001	Saving Account	VJAY000181	Unaided Private	AAATC1551A

4. The date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Principal shall intimate about the receipt of the grant to AICTE. Any Expenditure incurred prior to the issuance of the approval letter will not be allowed to be adjusted in the grant and if the Institution / University do not take the project work within 6 months of the receipt of the grant, the approval shall ipso facto lapse.

Contd... 2/-



**CHILDREN'S EDUCATION SOCIETY (Regd.)**  
**THE OXFORD COLLEGE OF ENGINEERING**

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Approved by A.I.C.T.E. New Delhi.

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Bommanahalli, Hosur Road, Bangalore - 560 068.  
Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

2

Ref. No. 6S-24/RIFD/SPDP/POLICY-I/2016-17

5. Each project sanctioned by AICTE is assigned a specific Ref. No. given on the pre-page. All correspondences related to the project must contain this number along with year of sanction of the project; failing which correspondence will not be entertained.
6. The accounts of the grantee which are liable to be audited by the Council or Comptroller and Audited General of India or by any Officer designated for the purpose.
7. The institute/University shall not charge any overheads on this project and will provide all the administrative support for completion of the project.
8. The grantee shall utilize grants on only approved items of expenditure (list enclosed). However in case the grantee wishes to recast the project, approval of the Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India.
9. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilize for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education and should at any time the institution cease to function, such assets shall revert to the All India Council for Technical Education.
10. The grantee shall maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register or assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
11. The Amount of interest accrued on the grant should be treated as part of the grant to be utilized for that particular project. However, the interest amount accrued along with grant disbursed should not exceed the total grant sanctioned for the project. The Institute receiving the grant should reflect the same in the audited statement of accounts/ Utilization Certificate and may either refund the interest amount to AICTE or AICTE should adjust the same in the next installment of grant before releasing.
12. Since the duration of the project is for three (03) years, 25% of the sanctioned fund will be released in equal installments during the next two years after receipt of feedback, attendance, utilization certificate (UC) and other supporting documents.
13. The Annual Progress Report in the prescribed format along with Statement of Expenditure and Audited Utilization Certificate shall be submitted to AICTE not later than one month after completion.
14. Project Completion Report (PCR) in the prescribed format along with the Audited Statement of Expenditure indicating expenditure incurred in the total duration of the project in the prescribed format, utilization in the format and GFR-19 shall be submitted to the Council.
15. The Utilization Certificate (UC) supported by Audited Statement of Expenditure to the effect that the grant has been utilized for the purpose for which it has been sanctioned shall be furnished to the All India Council for Technical Education immediately after completion of the project. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
16. The grantee shall follow the terms and conditions of Skill and Personality Development Programme Centre for SC/ST Students (SPDP) as laid down in the scheme details under AICTE AQIS 2016-17.

Contd...3/-



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Ref. No. 65-24/RIFD/SPDP/POLICY-1/2016-17

17. The Grantee shall fully implement the official language policy of Union Government and comply with the official language Act, 1963 and official language (use of official purposes of the Union Rules, 1976 etc.)
18. The University / Institute receiving grant under SPDP is expected to put up a plaque at the main entrance of the Lab/Department, which has been modernized using the grant. All the equipment procured through the project should be superscribed with AICTE project file number.
19. The funds to the extent are available under the scheme.
20. The sanction issues in exercise of the powers delegated to the Council. It is also certified that grant-in-aid is being released in conformity with the Rules and Regulation of the scheme.

Yours Sincerely,

  
(Dileep N. Malkhede) 18/5/17  
Advisor (RIFD)

Copy forwarded for information and necessary action to:

1. ✓ The Principal,  
THE OXFORD COLLEGE OF ENGINEERING,  
HOSUR ROAD, BOMMANAHALLI, BANGALORE  
RURAL, BANGALORE-560068, Karnataka
2. Dr. ANANDH R J,  
Dept. of Computer Science/ Technical En-  
THE OXFORD COLLEGE OF ENGINEERING,  
HOSUR ROAD, BOMMANAHALLI, BANGALORE  
RURAL, BANGALORE-560068, Karnataka
3. Office of Director General of Audit,  
(Central Revenues) ...  
AGCR Building, I.P. Estate,  
New Delhi-110 002.
4. Guard File

✓  
(Dileep N. Malkhede)  
Advisor (RIFD)



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Karnataka State Council for Science and Technology  
Indian Institute of Science Campus, Bengaluru - 560 0

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Dr. S. G. Sreekanth Swamy  
Executive Secretary

Ref: 7.1.01/SPP/08

28th March 2018

The Principal,  
The Oxford College of Engineering,  
Bommanahalli Hosur Road,  
Bengaluru - 560 068.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018  
Your Project Proposal Reference No. : 41S\_BE\_0001

Ref : Your Project Proposal entitled - **PITCH BASED HUMAN COMPUTER INTERFACE FOR QUADRIPLEGIC AND SPEECH IMPAIRED**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Nithin Gowda M.R. and others	Budget	Amount (Rs)
Guide/s	Dr. Preeta Sharan	Materials/Consumables	7,000.00
		Labor	-
		Travel	-
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	8,000.00
	RUPEES EIGHT THOUSAND		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project sanction reference number printed above in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

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**Dr. S. G. Sreekanth Swamy**  
Executive Secretary

28th March 2018

Ref: V. L. 03/SPR/08

The Principal,  
The Oxford College of Engineering,  
Bommanahalli Hosur Road,  
Bangalore - 560 068.

Dear Sir,

Sub: Sanction of Student Project - 41st Series: Year 2017-2018  
Your Project Proposal Reference No.: 415\_BE\_1606

Ref: Your Project Proposal entitled: **ANDROID BASED APPLICATION TO DETECT POTHOLES AND UNEVEN ROADS IN THE CITY**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Chaitanya S and others	Budget	Amount (Rs)
		Materials/Consumables	3,000.00
Guide/s	Prof. Sowmya HK	Labor	-
		Travel	-
Department	Computer Science And Engineering	Miscellaneous	-
		Report	500.00
		<b>TOTAL</b>	<b>3,500.00</b>
<b>RUPEES THREE THOUSAND FIVE HUNDRED</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [supes@kscst.kscernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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415, BE 1606

- 6) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
  - 6) Objectives (about 10 lines)
  - 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
  - 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
  - 9) Scope for future work (about 20 lines).
- [Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.]

- a) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

(S.G.S. Swamy)

Copy to:

- 1) The Head of the Department of  
Computer Science And Engineering  
The Oxford College Of Engineering,  
Bommanahalli Hosur Road,  
Bengaluru - 560 068.
- 2) Prof. Sowmya Hk  
Department of Computer Science And Engineering  
The Oxford College Of Engineering,  
Bommanahalli Hosur Road,  
Bengaluru - 560 068.
- 3) The Finance Officer, KSCST, Bangalore



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**Dr. S. G. Sreekanthswara Swamy**  
**Executive Secretary**

28th March 2018

Ref: J.1/01/309/08

The Principal,  
The Oxford College of Engineering,  
Bommanahalli Hosur Road,  
Bangalore - 560 068.

Dear Sir,

Sub: Sanction of Student Project - 41st Series: Year 2017-2018  
Your Project Proposal Reference No.: 415\_BE\_1005

Ref: Your Project Proposal entitled " **VISUAL BASED E-SERVICE FOR TRANSPORTATION SYSTEM FOR BMTC**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Nikitha B and others	Budget	Amount (Rs)
		Materials/Consumables	3,000.00
Guide/s	Mrs. Seema Patil	Labor	-
		Travel	-
Department	Computer Science And Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	4,000.00
RUPEES FOUR THOUSAND			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail (spp@kscst.isc.ernet.in) and should include following :

- 1) Title of the project
- 2) Name of the College & Department
- 3) Name of the students & Guide(s)
- 4) Keywords



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415 BL 1509

(i) Introduction / Background

(with specific reference to the project, work done earlier, etc.) - about 20 lines

(ii) Objectives (about 10 lines)

(iii) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams, etc.)

(iv) Results and Conclusions

(about 20 lines with specific reference to work carried out)

(v) Scope for future work (about 20 lines)

(Note: The write-up (Synopsis) should be sent with the approval of project guide.

The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscstliscernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

a) Projects awarded for Seminar / Exhibition will be awarded.

The associated budget will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscstliscernet.in.

Thanking you and with best regards,

Yours sincerely,

(S.G.S. Swamy)

Copy to:

1) The Head of the Department of  
Computer Science And Engineering  
The Oxford College Of Engineering,  
Bommanahalli Hosur Road,  
Bangalore - 560 068.

2) Mrs. Seema Patil  
Department of Computer Science And Engineering  
The Oxford College Of Engineering,  
Bommanahalli Hosur Road,  
Bangalore - 560 068.

3) The Finance Officer, KSCST, Bangalore



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Email: office@kscst.iisc.ernet.in, office@kscst.org.in • Website: www.kscst.iisc.ernet.in, www.kscst.org.in

**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

Ref: 2.1.01/SPP/08

28th March 2018

The Principal,  
The Oxford College of Engineering,  
Bommanahalli Hosur Road,  
Bengaluru - 560 068.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018  
Your Project Proposal Reference No. : 415\_BE\_1610

Ref : Your Project Proposal entitled " **CONSTRUCTION AND DESIGNING OF BIO PILE FOR EX-SITU REMEDIATION OF USED OIL/TOXIC HYDROCARBONS USING FUNGAL CONSORTIUM**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Sriraksha H G and others	Budget	Amount (Rs)
Guide/s	Dr. B K Manjunath	Materials/Consumables	5,000.00
		Labor	
		Travel	
Department	Biotechnology	Miscellaneous	500.00
		Report	500.00
		TOTAL	6,000.00
RUPEES RUPEES SIX THOUSAND			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project sanction reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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Email: offic@kscst.org, offic@kscst.org • Website: www.kscst.org, www.kscst.org

**Dr. S. G. Sreekanteswara Swamy**  
Executive Secretary

Ref: 7.1.01/SPP/08

28th March, 2018

The Principal,  
The Oxford College of Engineering,  
Bommanahalli Hosur Road,  
Bengaluru - 560 068.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018  
Your Project Proposal Reference No. : 41S\_BE\_1601

Ref : Your Project Proposal entitled " **INVESTIGATION ON THE MECHANICAL AND TRIBOLOGICAL CHARACTERIZATION OF NANO PARTICULATE FILLED FIBER REINFORCED HYBRID COMPOSITES FOR AUTOMOBILE APPLICATIONS**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Shreyas Shenoy and others	Budget	Amount (Rs)
Guide/s	Dr. Raju B R	Materials/Consumables	6,000.00
		Labor	-
		Travel	-
Department	Automobile Engineering	Miscellaneous	-
		Report	500.00
		<b>TOTAL</b>	<b>6,500.00</b>
<b>RUPEES SIX THOUSAND FIVE HUNDRED</b>			

The following are the guidelines to carryout the project work :

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  - Name of the College & Department
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Email: office@kscst.kscernet.in, office@kscst.org.in • Website: www.kscst.kscernet.in, www

**Dr. S. G. Sreekanteswara Swamy**  
**Executive Secretary**

Ref: 7.1.01/SPP/08

28th March 2018

The Principal,  
The Oxford College of Engineering,  
Bommanahalli Hosur Road,  
Bengaluru - 560 068.

Dear Sir,

Sub : Sanction of Student Project - 41st Series: Year 2017-2018  
Your Project Proposal Reference No.: 41S\_OE\_1620

Ref : Your Project Proposal entitled " **BIOSENSORS FOR DETECTION OF VARIOUS STAGES OF MALIGNANT TUMOR CELLS**

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 41st Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Rama Nandini A and others	Budget	Amount (Rs)
Guide/s	Dr. Preeta Sharan	Materials/Consumables	6,000.00
		Labor	-
		Travel	-
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>7,000.00</b>
	<b>RUPEES SEVEN THOUSAND</b>		

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**2018-19**

**List of teachers along with the department affiliation, title of the funded project,  
 the amount and the funding agency**

SL No.	Name of the Project/ Endowments , Chairs	Name of the Principal Investiga tor/Co- investiga tor	Depart ment of Principa l Investig ator	Yea r of Aw ard	Amou nt Sancti oned	Durat ion of the proje ct	Name of the Fundin g Agenc y	Type (Gover nment /non- Govern ment)
1.	Cloud based Automatic Street Lighting system in Attibele industrial Area and Rural areas	Dr E Saravana Kumar	CSE	2018-19	500000	1 Year	Vision Group of Science & Technology	Government
2.	Source Code Generator Using Speech	Dr. R Kanagavalli	ISE	2018-19	5500	9 Months	KSCST	Government
3.	Neonatal Blood Pressure Measuring System using Micro Opto Mechanical System based Sensor	Mr. Anup M Upadhya ya Mr. Vidhyadhar Pujar	MECH	2018-19	4000	9 Months	KSCST	Government
4.	Drainage Cleaning Machine	Prof. Raghavendra N	MECH	2018-19	6000	9 Months	KSCST	Government
5.	Roadside Dust Cleaning Machine with Conveyor Mechanism	Prof. Shivasheshadri	MECH	2018-19	10,000	9 Months	KSCST	Government
6.	Wearable bionic hand for amputees for basic needs	Dr. Preeta Sharan	ECE	2018-19	7000	9 Months	KSCST	Government

**PRINCIPAL** 22  
 The Oxford College of Engineering  
 Bommanahalli, Hosur Road  
 Bengaluru-560 068



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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

7.	Influence of nanofillers on mechanical and tribological properties of fiber reinforced hybrid composites for automotive Industry applications	Dr. Raju B R	AU	2018-19	9000	9 Months	KSCST	Government
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Bangalore-560 068



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**E – Copies of Sanctioned Letters from Funding Agencies**



**Karnataka Science and Technology Promotion Society**

Dept. of Information Technology, Bio Technology and Science & Technology, GoK

"Vijnana Bhavan", 3<sup>rd</sup> Floor, #24/2, 21<sup>st</sup> Main Road, Banashankari 2<sup>nd</sup> Stage, Bangalore-70

Ph/fax : 080-26711166, E-mail : ksteps.dst@gmail.com

Dr. H. Honne Gowda  
Special Secretary (Technical),  
Dept. of IT, BT and S&T/  
Managing Director, KSTePS

No. KSTePS/VGST-RGS-F/2018-19/GRD No.847 / 315

Date: 17.07.2019

Dear Sir/Madam,

Sub: Intimation of selection of the project under the VGST scheme of RGS/F- reg.

Greetings from the Department of Science and Technology, GoK & KSTePS. We are pleased to inform you that the project titled "Cloud based Automatic Street Lighting system in Attibele Industrial Area and Rural areas" submitted under the VGST scheme of RGS-F for the financial year 2018-19 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Bharat Ratna Prof. CNR Rao, Honorary President, JNCASR.

You are requested to take an immediate action to initiate the project at the earliest and to be completed within a year after receiving the grant from our office. The total grant allocated for the project is of Rs. 5.00 lakh.

The grant will be paid to the Head of the Institution, under whose supervision the Principal Investigator shall be responsible for completion of the stated objectives of the project. The Principal Investigator through the Institution Head shall have to submit the progress report in soft copy once in 3 months without fail. The grants shall be used only for the purposes described in the grant application by following due procedures of KTPP Act. Any deviation from the scheduled plan must have a prior approval from the VGST.

The funding agency has the right to terminate the project, if it is found to be not satisfactorily pursuing and fulfilling the stated project goals and objectives. Any unspent balance must be returned back to the funding agency within 60 days following the conclusion of the project. Any publications or other dissemination arising from research supported by VGST grants should be acknowledged.

Dr. S. G. Sreekanth Swamy, Consultant, VGST will be the nodal officer for all future correspondences related to the project. His contact details are given below:

Vision Group on Science and Technology,  
Department of IT, BT and S & T,  
Room No. 702, 7<sup>th</sup> Floor, 4<sup>th</sup> Gate,  
M.S. Building, Dr. Ambedkar Veedhi,  
Bangalore - 560 001.  
Phone : 080-2203 2013  
Email : visiongroup.st@gmail.com  
Website : www.vgst.in



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Bommanahalli, Hosur Road, Bangalore - 560 068.

Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: enggprincipal@theoxford.edu Web: www.theoxfordengg.org

-2-

The sanctioned grant will be sent through NEFT/RTGS to your institution. Hence, it is requested to send the following bank details on your institutional letter head, sealed and signed by the head of the institution, by post. A scanned copy of the same may be sent through E-mail: kstopstst@gmail.com & visiongroup.st@gmail.com for swift process.

1. Account Name
2. Account Number
3. IFSC Number
4. Name of the Bank
5. Branch

After receiving the grant to the institute, you are suppose to open an new saving bank account in the name of VGST scheme & get the grant transferred from the institution's main account. I would like to personally thank and greet you for being selected as one of the VGST program members and we wish you a great success in the implementation of the project.

Thanking you,

Yours sincerely,

(H. Horine Gowda)

To,  
Dr. Saravana Kumar, E.  
Associate Professor,  
Department of Computer Science and Engineering,  
The Oxford College of Engineering,  
Bommanahalli, Hosur Road,  
Bengaluru - 560 068.

CC:

- 1) The Principal, The Oxford College of Engineering, Bommanahalli, Hosur Road, Bengaluru - 560 068.
- 2) Deputy Secretary to Govt., Dept. of Science and Technology, Room No. 305, 5<sup>th</sup> Floor, 5<sup>th</sup> Stage, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru - 560 001.
- 3) Dr. S. G. Sreekanteswara Swamy, Consultant, Vision Group on Science and Technology, Department of IT, BT and S & T, Room No. 702, 7<sup>th</sup> Floor, 4<sup>th</sup> Gate, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru - 560 001.



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**Mr. H. Hemanth Kumar**  
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,  
The Oxford College of Engineering,  
Bommanahalli Hosur Road,  
Bengaluru - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : 42S\_BE\_0947

Ref : Your Project Proposal entitled " **SOURCE CODE GENERATOR USING SPEECH**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Fanoos Fathima and others	Budget	Amount (Rs)
		Materials/ Consumables	4,000.00
Guide/s	Dr. R. Kanagavalli	Labor	-
		Travel	500.00
Department	Information Science And Engineering	Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>5,500.00</b>
<b>FIVE THOUSAND FIVE HUNDRED RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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Email: office@kscst.iisc.ernet.in, office@kscst.org In • Website: www.kscst.iisc.ernet.in, www.kscst.org In

Mr. H. Hemanth Kumar  
Executive Secretary

27th March 2019

Ref: 7.1.01/SP/1333

The Principal,  
The Oxford College of Engineering,  
Bommanahalli Hosur Road,  
Bangalore - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : 42S\_BE\_3404

Ref : Your Project Proposal entitled " **NEONATAL BLOOD PRESSURE MEASURING SYSTEM USING MICRO OPTO MECHANICAL SYSTEM BASED SENSOR**

I am happy to inform that your student project proposal referred above, has been approved by the Council for 'Student Project Programme - 42nd Series' and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Santhosh Hosamani and others	Budget	Amount (Rs)
		Materials/Consumables	2,000.00
Guide/s	Mr. Vidyadhar Pujar	Labor	500.00
	Mr. Anup M Upadhyaya	Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>4,000.00</b>

**FOUR THOUSAND RUPEES ONLY**

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :

- 1) Title of the project
- 2) Name of the College & Department
- 3) Name of the students & Guide(s)
- 4) Keywords

Opae  
Copy to Pujar  
@ my Anup



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**Mr. H. Hemanth Kumar**  
Executive Secretary

Ref: 7.1.01/SPP/1333

27th March 2019

The Principal,  
The Oxford College of Engineering,  
Bommanahalli Hosur Road,  
Bengaluru - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : 42S\_BE\_2304

Ref : Your Project Proposal entitled " DRAINAGE CLEANING MACHINE

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Malleiah and others	Budget	Amount (Rs)
Guide/s	Mr.Raghavendra N	Materials/Consumables	4,000.00
		Labour	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>6,000.00</b>
<b>SIX THOUSAND RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

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**Mr. H. Hemanth Kumar**  
Executive Secretary

Ref: 7.1.01/SPP/1333

27th March 2019

The Principal,  
The Oxford College of Engineering,  
Bommanahalli Hosur Road,  
Bengaluru - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : 42S\_BE\_0975

Ref : Your Project Proposal entitled " **ROAD SIDE DUST CLEANING MACHINE WITH CONVEYER MECHANISM**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Divakar.A and others	Budget	Amount (Rs)
Guide/s	Prof. Shivseshadri	Materials/Consumables	8,000.00
		Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>10,000.00</b>
<b>TEN THOUSAND RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
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*Receive a copy (Index)  
A. S. 28/04/19*



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**Mr. H. Hemanth Kumar**  
Executive Secretary

Ref: 7.1.01/SPP/1333

27th March 2019

The Principal,  
The Oxford College of Engineering,  
Bommanahalli Hosur Road,  
Bengaluru - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : 42S\_BE\_2796

Ref : Your Project Proposal entitled " **WEARABLE BIONIC HAND FOR AMPUTEES FOR BASIC NEEDS**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Mr. Pavan Kumar Reddy A P and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Dr. Preeta Sharan	Labor	500.00
		Travel	500.00
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		<b>TOTAL</b>	<b>7,000.00</b>
<b>SEVEN THOUSAND RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
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- 6) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines 42S\_BE\_2796  
6) Objectives (about 10 lines)  
7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)  
5) Results and Conclusions  
(about 20 lines with specific reference to work carried out)  
9) Scope for future work (about 20 lines).  
(Note: The write-up (Synopsis) should be sent with the approval of project guide.  
The softcopy of the write-up, in MS Word format, should be sent by e-mail  
(spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal  
reference number and title of the project.)

- e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

  
(H. Hemant Kumar)

Copy to:

- 1) The Head of the Department of  
Electronics And Communication Engineering  
The Oxford College Of Engineering,  
Bommanahalli Hosur Road,  
Bangaluru - 560 068.
  - 2) Dr. Preeta Sharan  
Department of Electronics And Communication Engineering  
The Oxford College Of Engineering,  
Bommanahalli Hosur Road,  
Bangaluru - 560 068.
  - 3) The Finance Officer, KSCST, Bangalore
- End: As Above



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**Mr. N. Hemanth Kumar**  
Executive Secretary

Ref: 2.1.01/SPP/1333

27th March, 2019

The Principal,  
The Oxford College of Engineering,  
Bommanahalli Hosur Road,  
Bengaluru - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019  
Your Project Proposal Reference No. : **42S\_BE\_3401**

Ref : Your Project Proposal entitled ~ **INFLUENCE OF NANO FILLERS ON MECHANICAL AND TRIBOLOGICAL PROPERTIES OF FIBER REINFORCED HYBRID COMPOSITES FOR AUTOMOTIVE INDUSTRY APPLICATIONS**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Abhishek K.T and others	Budget	Amount (Rs)
Guide/s	Dr. Raju B R	Materials/Consumables	8,000.00
		Labor	-
		Travel	500.00
Department	Automobile Engineering	Miscellaneous	-
		Report	500.00
		TOTAL	9,000.00
NINE THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
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Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

**2019-20**

**List of teachers along with the department affiliation, title of the funded project,  
the amount and the funding agency**

SL. No.	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
1.	Efficient bioremediation tool for hydrocarbon contamination management. scale up and pilot scale study	B.K. Manjunatha	BT	2019-20	40,00,000	2019-2021	BIRAC	Government
2.	Establishing facility for design, synthesis and characterization of nano hybrid composites for agricultural applications	Dr.Raju B R	AU	2019-20	20,00,000	2019-2021	VGST	Government
3.	Design of Voice Operated Wheelchair Using Roger-Bogie Mechanism	Mr. Rohan	MECH	2019-20	6500	9 Months	KSCST	Government
4.	Automated Waste Segregation & Sterilization by UV Radiation	Mr. Nagaraja T V	MECH	2019-20	6000	9 Months	KSCST	Government

  
**PRINCIPAL**  
 The Oxford College of Engineering  
 Bommanahalli, Hosur Road, Bangalore - 560 068



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5.	Recycling of PET Plastic Using Fused Filament Extrusion Process	Mr. Shiva Kumar M	MECH	2019-20	6,500	9 Months	KSCST	Government
6.	Health monitoring system for Indian railway track	Dr. Preet a Sharan	ECE	2019-20	1529647	2 Years	AICTE, New Delhi	Government
7.	Design and Development of Fiber Bragg Grating sensing system for monitoring handgrip muscle fatigue	Dr. Preet a Sharan	ECE	2019-20	25,00,000	2 Years	VGST	Government
8.	Head-Eyes system of Humanoid skull	Dr. Manj u Devi	ECE	2019-20	5000	1 Year	KSCST	Government
9.	Robotic Cook	Dr. R Kanagav alli	ISE	2019-20	4000	9 Months	KSCST	Government
10.	Prerana- AICTE	Dr R Ch A Naidu	CSE	2019-20	683000	1 Year	AICTE	Government
11.	Smart Ornament for Women Security & Safety	Prof. Seema Patil	CSE	2019-20	4000	9 Months	KSCST	Government
12.	Skin Cancer Detection Using Machine Learning	Prof. G Florance	CSE	2019-20	4500	9 Months	KSCST	Government
13.	Water air and light transforming energy resources	Dr. Yash oda B S	MTE	2019-20	8000	9 months	KSCST	Government
14.	An Automated Foodway Track Restaurant	Mr. Amaresha	ISE	2019-20	5000	9 Months	KSCST	Government

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 Bengaluru-560 068



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**E – Copies of Sanctioned Letters from Funding Agencies**



**Biotechnology Industry Research Assistance Council**

Dated: 1-5-2019

To  
Dr. Manjunatha Bukkabudhi Krishnaswamy  
Professor & Head,  
The Oxford College of Engineering  
10th Milestone,  
Bommanahalli, Hosur Road,  
Bangalore - 560068,  
Karnataka  
Email: [dr.manjunath.birc@gmail.com](mailto:dr.manjunath.birc@gmail.com)

Ref: PACE Project Title "Efficient bioremediation tool for hydrocarbon contamination management, Scale-Up and Pilot Scale Study"

Dear Dr. Krishnaswamy,

With reference to your above, mentioned PACE proposal, we are pleased to inform that your proposal has been approved by BIRAC at a total cost of Rs. 40.00 Lakhs (Rupees Forty Lakhs only). The contribution of BIRAC is Rs. 40.00 Lakhs (Rupees Forty Lakhs only) as Grant-in-aid to the The Oxford College of Engineering, Bangalore for 18 Months as per the terms of the Grant in Aid Letter Agreement (GIA) enclosed.

If you are in acceptance with the terms of funding support as mentioned in the GIA, the following documents should be executed within a time period of **TWO WEEKS** from the date of issue of this communication:

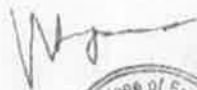
- Grant-in-aid Letter Agreement (GIA) including all the Schedules. All pages to be clearly initialled by the Fund Recipient.
- Letter of Authorization from the institute in the prescribed format of BIRAC
- Bank Details

The Grant-in-Aid Letter agreement has been executed by BIRAC, kindly take a colour printout of this GIA and the schedules, and execute the same from your end.

The first instalment of fund release will be made only after completion of all these formalities and upon submission of above mentioned documents as per norms.

**For Biotechnology Industry Research Assistance Council**

  
Dr. Sanjay Saxena  
(GM & Head - Investment)





1st Floor, MTNL Building, 9, CGO Complex, South Road, New Delhi - 110003, India  
Phone: +91-11-24389600 Fax: +91-11-24389611 Website: [www.birac.nic.in](http://www.birac.nic.in) E-mail: [birac.dbt@nic.in](mailto:birac.dbt@nic.in)  
CIN No. : U73100DL2012NPL233152



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**Karnataka Science and Technology Promotion Society**

Dept. of Information Technology, Bio Technology and Science & Technology, Govt.  
"Vijnana Bhavan", 3<sup>rd</sup> Floor, #24/2, 21<sup>st</sup> Main Road, Banashankari 2<sup>nd</sup> Stage, Bangalore.

Ph/fax : 080-26711166, E-mail : kstepps.dat@gmail.com

Dr. H. Henne Gowda  
Special Secretary (Technical),  
Dept. of IT, BT and S&T, Govt/  
Managing Director, KSTePS

2018-2019

No. KSTePS/VGST-K-FIST L1/2018-19/772 / 315

Date: 17.07.2019

Dear Sir/Madam,

**Sub:** Intimation of selection of the project under the VGST scheme of K-FIST L1 – reg.

\*\*\*\*\*

Greetings from the Department of Science and Technology, Govt. & KSTePS. We are pleased to inform you that the project titled "Establishing the facility for design, synthesis and characterization of Nano hybrid composites for Agriculture applications" submitted under the VGST scheme of K-FIST L1 for the financial year 2018-'19 has been approved by the Government based on the recommendations of Vision Group on Science and Technology under the Chairmanship of Bharat Ratna Prof. CNR Rao, Honorary President, JNCASR.

The total project grant award for a period of 2 years is Rs. 20.00 lakh, which will be released annually @ Rs. 10.00 lakh based on the progress of work. You are requested to take an immediate action to initiate the project at the earliest and to be completed within 2 years after receiving the grant of 1<sup>st</sup> installment from our office.

The grant will be paid to the Head of the institution, under whose supervision the Principal Investigator shall be responsible for completion of the stated objectives of the project. The Principal Investigator through the Institution Head shall have to submit the progress report in soft copy once in 6 months without fail. The grants shall be used only for the purposes described in the grant application by following due procedures of KTPP Act. Any deviation from the scheduled plan must have a prior approval from the VGST.

Future release of grants will be based on satisfactory project performance and review. The funding agency has the right to terminate the project, if it is found to be not satisfactorily pursuing and fulfilling the stated project goals and objectives. The whole amount sanctioned or any unspent balance must be returned back to the funding agency within 60 days following the final report of the project. Any publications or other dissemination arising from research supported by VGST grants should be acknowledged.

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-2-

Dr. S. G. Sreekanteswara Swamy, Consultant, VGST will be the nodal officer for all future correspondences related to the project. His contact details are given below:

Vision Group on Science and Technology,  
Department of IT, BT and S & T,  
Room No. 702, 7<sup>th</sup> Floor, 4<sup>th</sup> Gate,  
M.S. Building, Dr. Ambedkar Veedhi,  
Bengaluru - 560 001.  
Phone : 080-2203 2013  
Email : [visiongroup.st@gmail.com](mailto:visiongroup.st@gmail.com)  
Website : [www.vgst.in](http://www.vgst.in)

The sanctioned grant will be sent through NEFT/RTGS to your Institution. Hence, it is requested to send the following bank details on your institutional letter head, sealed and signed by the head of the institution, by post. A scanned copy of the same may be sent through E-mail: [ksteps.dst@gmail.com](mailto:ksteps.dst@gmail.com) & [visiongroup.st@gmail.com](mailto:visiongroup.st@gmail.com) for swift process.

1. Account Name
2. Account Number
3. IFSC Number
4. Name of the Bank
5. Branch

After receiving the grant to the institute, you are suppose to open a new saving bank account in the name of VGST scheme & get the grant transferred from the institution's main account. I would like to personally thank and greet you for being selected as one of the VGST program members and we wish you a great success in the implementation of the project.

Thanking you,

Yours sincerely,

  
(H. Honne Gowda)

To,  
Prof. Raju, B. R.  
Department of Automobile Engineering,  
The Oxford College of Engineering,  
10th Milestone, Bommanahalli, Hosur Road,  
Bangalore - 560 068.

CC:

- 1) The Principal, The Oxford College of Engineering, 10th Milestone, Bommanahalli, Hosur Road, Bangalore - 560 068.
- 2) Deputy Secretary to Govt., Dept. of Science and Technology, Room No. 305, 5<sup>th</sup> Floor, 5<sup>th</sup> Stage, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru - 560 001.
- 3) Dr. S. G. Sreekanteswara Swamy, Consultant, Vision Group on Science and Technology, Department of IT, BT and S & T, Room No. 702, 7<sup>th</sup> Floor, 4<sup>th</sup> Gate, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru - 560 001.



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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

Dr. S. G. Sreekanthaswara Swamy, Consultant, VGST will be the nodal officer for all future correspondences related to the project. His contact details are given below:

Vision Group on Science and Technology,  
Department of IT, BT and S & T,  
Room No. 702, 7<sup>th</sup> Floor, 4<sup>th</sup> Gate,  
M.S. Building, Dr. Ambedkar Veedhi,  
Bengaluru - 560 001.  
Phone : 080-2203 2013  
Email : [visiongroup.st@gmail.com](mailto:visiongroup.st@gmail.com)  
Website : [www.vgst.in](http://www.vgst.in)


The sanctioned grant will be sent through NEFT/RTGS to your institution. Hence, it is requested to send the following bank details on your institutional letter head, sealed and signed by the head of the institution, by post. A scanned copy of the same may be sent through E-mail: [kstems.dst@gmail.com](mailto:kstems.dst@gmail.com) & [visiongroup.st@gmail.com](mailto:visiongroup.st@gmail.com) for swift process.

1. Account Name
2. Account Number
3. IFSC Number
4. Name of the Bank
5. Branch

After receiving the grant to the institute, you are suppose to open a new saving bank account in the name of VGST scheme & get the grant transferred from the institution's main account. I would like to personally thank and greet you for being selected as one of the VGST program members and we wish you a great success in the implementation of the project.

Thanking you,

Yours sincerely,

  
(H. Honne Gowda)

To,  
Prof. Raju. B. R.  
Department of Automobile Engineering,  
The Oxford College of Engineering,  
10th Milestone, Bommanahalli, Hosur Road,  
Bangalore - 560 068.

CC:

- 1) The Principal, The Oxford College of Engineering, 10th Milestone, Bommanahalli, Hosur Road, Bangalore - 560 068.
- 2) Deputy Secretary to Govt., Dept. of Science and Technology, Room No. 305, 5<sup>th</sup> Floor, 5<sup>th</sup> Stage, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru - 560 001.
- 3) Dr. S. G. Sreekanthaswara Swamy, Consultant, Vision Group on Science and Technology, Department of IT, BT and S & T, Room No. 702, 7<sup>th</sup> Floor, 4<sup>th</sup> Gate, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru - 560 001.



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Indian Institute of Science Campus, Bengaluru - 560 012

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Email: [office@kscst.org.in](mailto:office@kscst.org.in), [office@kscst.org.in](mailto:office@kscst.org.in) • Website: [www.kscst.org.in](http://www.kscst.org.in), [www.kscst.org.in](http://www.kscst.org.in)

**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: Z.1.51/589/553

The Principal,  
The Oxford College of Engineering,  
Bengaluru - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020  
Your Project Proposal Reference No. : **43S\_BE\_4298**

Ref : Your Project Proposal entitled - **DESIGN OF VOICE CONTROLLED CHAIR USING ROGER BOGIE MECHANISM**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Detailed Below;			
Student / s	Mr. Gaurav Rathi	Budget	
	Ms. Bhagavathi N	Particulars	Amount (Rs.)
	Ms. Komal B	Materials/Consumables	5,000.00
	Mr. Omkar S	Labour	500.00
Guide/s	Mr. Rohan	Travel	500.00
		Miscellaneous	-
Department	Mechanical Engineering	Report	500.00
		Total	6,500.00
Six Thousand Five Hundred Rupees Only			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail ([spp@kscst.iisc.ernet.in](mailto:spp@kscst.iisc.ernet.in)) and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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Indian Institute of Science Campus, Bengaluru - 560 012

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Office: kscst@isc.ac.in

Mr. H. Hemanth Kumar  
Executive Secretary

16th March 2020

Ref: 2.1.01/SPP/953

The Principal,  
The Oxford College of Engineering,  
Bengaluru - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020  
Your Project Proposal Reference No. : **43S\_BE\_0625**

Ref : Your Project Proposal entitled " **AUTOMATED WASTE SEGREGATION AND STERILIZATION BY UV RADIATION**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Particulars	Budget	
		Amount (Rs.)	
Mr. Shivasagar V P	Mr. Pramod Kumar		
	Mr. Vishnu Dev V R	Materials/Consumables	4,000.00
	Mr. Sharath Kumar D S	Labour	500.00
		Travel	500.00
Guide/s	Prof. T V Nagaraj	Miscellaneous	500.00
		Report	500.00
Department	Mechanical Engineering	Total	6,000.00
Six Thousand Rupees Only			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.lsc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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office.kscst@isc.ernet.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
The Oxford College of Engineering,  
Bengaluru - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020  
Your Project Proposal Reference No. : **43S\_BE\_0629**

Ref : Your Project Proposal entitled " **RECYCLING OF P.E.T PLASTIC USING FUSED FILAMENT EXTRUSION PROCESS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Particulars	Budget	
		Amount (Rs.)	
Mr. Mahamed Jawad M	Materials/Consumables	5,000.00	
	Labour	500.00	
	Travel	500.00	
	Miscellaneous	-	
Guide/s	Report	500.00	
	Total	6,500.00	
Department	Mechanical Engineering		
Six Thousand Five Hundred Rupees Only			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
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- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.org.in] and should include following :
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**ALL INDIA COUNCIL FOR TECHNICAL EDUCATION**

Nelson Mandela Marg, Vasant Kunj,

New Delhi-110070

RPS - Sanction Letter

File No. 8-109/FDC/RPS (POLICY-1) /2019-20

Date: 14 Aug 2020

The Drawing and Disbursing Officer

All India Council for Technical Education

Nelson Mandela Marg,

Vasant Kunj, New Delhi-110070.

Sub: Release of a sum of Rs.1529647/- being the 1<sup>st</sup> Installment of the total grant of Rs.1552941/- for conduct of Project under Research Promotion Scheme (RPS) during the financial year 2020-21.

Sir,

With reference to the proposal submitted by the Institute, this is to convey the sanction of the Council for payment of Rs.1529647/- (Rupees Fifteen Lakh Twenty Nine Thousand Six Hundred Forty Seven Only) as 1<sup>st</sup> installment out of a total approved grant-in-aid of Rs.1552941/- for conduct of a Project under the Research Promotion Scheme (RPS), as per details given below:-

I.	Name and address of the Beneficiary Institution (University / College / Institution)	Registrar / Director / Principal, The Oxford College of Engineering, Bangalore, Bangalore Rural, Karnataka-560068
II.	Principal Investigator's Name & Dept./Course	Dr. Preeta Sharan (Electronics Engineering)
III.	Grant-in-aid Sanctioned	Rs.1552941 /- (Rs. 1320000/- for non-recurring and Rs.232941/- for recurring expenditure)
IV.	Amount to be Released during the year 2019-20 (as 1 <sup>st</sup> Installment)	Rs.1529647 /- (Rs. 1320000/- Full amount of non-recurring & Rs.209647/- 90% of recurring sanctioned)
V.	Project Duration	3 Years
VI.	Title of the Project	Health Monitoring System For Indian Railway Track and Wheel using Fiber Bragg Grating Sensor.

**I. Release of funds:**

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of The Oxford College of Engineering, Bangalore, Bangalore Rural, Karnataka-560068 through RTGS/PMFS.
2. The sanctioned grant-in-aid is debitable to the Major Head "601.12.a (RPS Plan)" Gen. and is valid for payment during the financial year 2020-21.
3. The sanction Issues in exercise of the powers delegated to the Council. It is also certified that grant-in-aid is being released in conformity with the rules and principles of the Scheme.
4. The grant-in-aid is being released in conformity with the Terms & Conditions as well as norms of the scheme as already communicated and also being communicated in this letter.

**II. Maintenance of account by the Institute/PI:**

1. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
2. The grant is intended to cover items of expenditure/equipment approved by AICTE.
3. Acknowledgement of receipt of grant and letter of acceptance of terms and conditions is to be submitted to AICTE within 15 days from the receipt of the grant to the following address:

Director (Faculty Development Cell), AICTE, Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

Contd...2/-



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E-mail: enggprincipal@theoxford.edu Web: www.theoxfordengg.org

File No. 8-109/FDC/RPS (POLICY-1) /2019-20

:: 2 ::

4. The accounts of the grantee will be opened for test check by the Council or Comptroller & Auditor General of India or by any officer designated by them.
5. The Principal and PI of the Institute are requested to verify the correctness of the undermentioned bank account/RTGS/PFMS details submitted by them alongwith the Proposal, in which the grant is being released. In case of any omission, the same should be reported to AICTE immediately along with refund of entire grant: -

Institute Pan No.	Bank Name	Bank Branch	Bank Branch Add.	Account Holder Name	Account Type	Account Number	IFSC Code
AAATC15 53A	Vijaya Bank	The Oxford College	Bommanahalli Hosur Road, Bangalore-560068	The Oxford College of Engineering	Saving Account	181801011000015	VU80001818

6. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/Government of India from time to time. Grantee Institution must follow GFR guidelines in procuring the sanctioned items and maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.

7. Interest accrued on the sanctioned grant-in-aid will be reported and refunded to AICTE and not adjusted against the subsequent installment.

**III. General Instructions:**

1. It should be ensured that no RPS project in favour of the same P.I. has been sanctioned during the last 03 years before utilizing this amount and the matter be brought to the notice of this Council immediately in case a faculty is sanctioned multiple RPS Projects.
2. The duration of Project is 03 years and the date of release of the grant by AICTE shall be taken as the date of commencement of the project. The Registrar/Director/Principal shall intimate about the receipt of the grant to AICTE. Any Expenditure, incurred prior to issuance of this Sanction Order, would not allowed to be adjusted in the grant and if the University/Institution do not take-up the project work within 6 months of the receipt of the grant, approval shall *ipso facto* lapse and the Institute has to necessarily refund the entire grant to AICTE along with interest within a month. In case the grant is not refunded within said duration 18% interest will be levied on it. The grant has to be refunded to AICTE, through RTGS as per details given below:

Account Number	55113199952
Name of the Account Holder	Member Secretary, AICTE, New Delhi
Bank Name	State Bank of India
Branch Name	Shashtri Bhawan, New Delhi
IFSC Code	SBIIN0050203

3. The Institute may constitute a Project Monitoring Committee (PMC). The composition of the PMC shall be as under:
- Principal/Director of the Institution (Chairperson)
  - Two HODs from Institute (Members)
  - In case of private institute one subject expert from government institute, not below the rank of Associate Professor (Member)
  - Coordinator of the project (Member Secretary)
4. The grant shall be utilized strictly for the purpose as specified in the sanction letter. Re-appropriation of funds from one Head to another is strictly not permitted viz. Recurring and non-recurring Heads. Further, the equipment(s)/item(s) purchased should be as per the specifications and individual item-wise costs sanctioned by AICTE, and not taking the total grant sanctioned as one entity. Item-wise purchase cost shall be matched with the sanctioned cost, and the cost of item purchased below the sanction cost shall be restricted as actual cost. If the item purchase cost is higher than its sanctioned cost, the cost shall be restricted to the sanctioned cost and the additional amount shall be met by the Institute from its own resources.
5. Similarly, the recurring grant shall be used for the items sanctioned by the AICTE. No money be used for going abroad to attend Conference / seminars. However, for presenting a Paper in a Seminar / Conference within the country, the travel expenses may be met from the recurring grant.

Contd...3/-



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File No. B-109/FDC/RPS (POLICY-1) /2019-20

== 3 ==

6. No request for additional grant over and above the sanctioned grant shall be considered by the AICTE. The additional amount, if any, expended beyond the sanctioned grant shall be met by the Institute from its own resources.
7. The Institute/University shall not charge any overheads on this Project and will provide all the administrative support and timely release of grant to PI for completion of the Project.
8. The grantee shall utilize grants only on approved items as per list of equipment attached. However, if the grantee wishes to recast the Project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India. **The revised proposal should be within the total grant sanctioned and duly supported with reasons and recommendations of the Project Monitoring Committee (PMC).**
9. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education.
10. Each project sanctioned by AICTE is assigned a specific Reference Number, which is given on pre-page. All correspondence address to AICTE regarding the project must quote this number alongwith year of sanction of the project, otherwise correspondence may not be entertained.
11. The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the Council from time to time.

**IV. Submission of documents by the Institute/PI to AICTE:**

**A. Documents to be submitted within one month of completion of each financial year:**

- i. Annual Progress Report, indicating therein the number of patents, publications or any other achievement.
- ii. Utilization Certificate, Audited Utilization Certificate, Receipt & Payments, Statement of Expenditure.
- iii. Audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets in the prescribed form i.e. GFR-19.
- iv. Separate Bills/vouchers related to Non-recurring and recurring expenditures duly signed & stamped by the PI & Head of the institution.
- v. Stock entry register duly verified by the Store-in-charge and PI & counter signed by Head of Institution.

**B. Documents to be submitted within two month of completion of the Project:**

- i. The consolidated Utilization Certificate (UC) and Receipt & Payment Account for the Project duration, duly audited.
- ii. Consolidated audited statement of expenditure, to the effect that the grant has been utilized for the purpose for which it has been sanctioned. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
- iii. Project Completion Report duly signed & stamped by the PI & Head of the institution and Project Evaluation Committee (PEC) Members.
- iv. Principal Investigator/institute to submit the Feed Back Form in AICTE format.
- v. The prescribed formats for submission of necessary mandatory documents and Terms & Conditions may please be downloaded from [www.aicte-india.org/schemes/research-innovations-development-schemes](http://www.aicte-india.org/schemes/research-innovations-development-schemes).

**Note:** Any deviation from the above said time schedule will cause serious action against the Institute.

Contd...4/-



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File No. 8-109/FDC/RPS (Policy-1)/2019-20

4

Approved list of Items under Non-recurring grant:

S. No.	Approved Item (As per proposal)	No. of Units	Amount recommended
A.	Non-recurring		
i)	Photonic Software tool	1	Rs.1320000/-
ii)	High end work station	1	
iii)	FBg sensor with laser source	1	
iv)	Printer	1	
v)	Fibre Bragg Grating with accessories	1	
B.	Recurring (i.e. 90% of total approved recurring grant) for Contingencies & Consumables only		Rs.209647/-
	Grand Total (A)+(B)		Rs.1529647/-

1. Registrar/Director/Principal,  
The Oxford College of Engineering,  
Bangalore, Bangalore Rural, Karnataka-560068

2. Name of Principal Investigator,  
Dr. Praeta Sharan,  
The Oxford College of Engineering,  
Bangalore, Bangalore Rural, Karnataka-560068

3. Office of Director General of Audit  
General Revenues, AGCR Building  
I.P. Estate, New Delhi-110002.

4. Guard File

(Col. B. Venkat)  
Director (FDC)

21/10/2020



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Government of Karnataka

**Vision Group on Science and Technology**

Department of Information Technology, Biotechnology and Science & Technology

4th Gate, 7th Floor, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru - 560 001

Phone : 080-2203 2013, E-mail : visiongroup.st@gmail.com, Website : www.vgst.in

Dr. S.G. Sreekanteswara Swamy, PhD.,  
Consultant

No. VGST/CISEE/GRD-858/2019-20/2020-21/198

Date: 09.11.2020

To,

Dr. Priceta Sharan, Professor,

Dept. of Electronics and Communication Engineering,

The Oxford College of Engineering,

10th Milestone, Bommanahalli, Hosur Road, Bengaluru - 560 068..

Dear Sir/ Madam,

Sub: Intimation of selection for the CISEE under VGST scheme for FY 2019-20- reg.

\*\*\*\*\*

Greetings from the Department of Science and Technology, GoK & KSTePS and VGST.

We are directed to inform you that your proposal entitled "Design and Development of Fiber Bragg Grating Sensing system for monitoring handgrip muscle fatigue" submitted under the VGST scheme of Establishment of "Centres of Innovative Science Engineering and Education (CISEE)" : (GRD Number - 858) for the financial year 2019-2020 has been approved by the Government based on the recommendations of the Selection Committee, Vision Group on Science and Technology under the Chairmanship of Bharat Ratna Prof. CNR Rao, Honorary President, JNCASR.

The grant will be released to the Head of the institution by KSTePS. The Principal Investigator and Co-Principal Investigator shall be responsible for completion of the stated objectives of the project. The Principal Investigator through the Institution Head shall have to submit the progress report once in three months without fail. The grants shall be used only for the purpose as per the procedures of KTPP Act.

Future release of grants will be based on satisfactory project performance and review. The total amount released or any unspent balance with accrued interest must be returned back to VGST. Any publications or other dissemination arising from research supported by VGST grants should be properly acknowledged.

A Memorandum of Agreement (MoA) is enclosed and to be duly signed on Rs. 100/- stamp paper and submit before 25th November, 2020 for further process of releasing grants.



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Government of Karnataka

**Vision Group on Science and Technology**

Department of Information Technology, Biotechnology and Science & Technology  
4th Gate, 7th Floor, M.S. Building, Dr. Ambedker Veedhi, Bengaluru - 560 001

Phone : 080-2203 2013, E-mail : visiongroup.st@gmail.com, Website : www.vgst.in

Dr.S.G.Sreekanteshwara Swamy, Ph.D.,  
Consultant

No/VGST/GRD -858/2019-20/2020-21/253

Date: 1/2/2021

The Principal,  
Oxford College of Engineering  
Bommanahalli Hosur Road  
Bengaluru - 560 068.

Dear Sir/Madam,

**Subject : Approval for the PART -A - (GRD No-858) for the purchase of equipment's under CISEE scheme for the 1<sup>st</sup> Instalment.**

\*\*\*

With reference to the approval of GRD No -858, Dr.Preeti Sharan, Professor, Department of Electronics and Communication Engineering, The Oxford College of Engineering Bengaluru, under the scheme CISEE was sanctioned the project entitled "Design and Development of Fiber Bragg Grating Sensing system for monitoring handgrip muscle fatigue" and released the grant of Rs 12.50 lakh as 1<sup>st</sup> Instalment for the FY:2019-20 through RTGS (UTR No: SBINR52021011506729891Dt: 15.01.2021).

The 1<sup>st</sup> Instalment - Non-Recurring Budget details under E-Tendering process (ETP) for the FY: 2019-20 as follows:

Sl. No	The PART -A under Non -Recurring (ETP) Budget as submitted by the Grantee Institution	Unit Price x No of units (In Rs)	Amount (Rs) in lakhs
1	FBG Interrogator, 1 CH weight 0.3 kg/pes	9,40,000*1	9,40,000.00
<b>Total Amount</b>			<b>9,40,000.00</b>

The 1<sup>st</sup> Instalment - Recurring Budget Details for the FY: 2019-20:

Sl. No	The PART -A under Recurring Budget as submitted by the Grantee Institution	Amount (Rs)
1	Electrical & Electronics spare parts/any other related items	18,750.00
2	Mechanical Spare parts / any other related items	18,750.00
3	Contingency	70,000.00
4	Books & Journal	12,500.00
<b>Total</b>		<b>1,20,000.00</b>



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Children's Education Society ®

**THE OXFORD COLLEGE OF ENGINEERING**

Hosur Road, Bengaluru-68

Department of Electronics and Communication Engineering

Date: 21/12/2020

To  
 The Principal  
 The Oxford College of Engineering,  
 Bangalore- 560068.

From  
 Dr. Manju Devi  
 Professor and Head  
 Department of Electronics and communication Engineering  
 TOCE, Bangalore.

Utilization Certificate for the KSCST under 43 Series- Student Project Programme.

Title and Reference number	Amount Sanctioned	Comment
HEAD EYES- SYSTEM OF HUMANOID SKULL  Project Reference number 43S_BE_0613	5000/-	KSCST sanctioned 5000/- (Five thousand rupees) first part payment during 2019-20 in favour of The Oxford college of Engineering. Project had utilized the amount 6550/- for components purchase. The second part has not been released because the hard copy report and CD was not sent on the said date, as students were out of Bangalore (in native due to pandemic), later submitted hard copy and CD.

Name of the Guide: Dr. Manju Devi

Signature of Guide:

*Manju Devi*  
 21/12/2020  
 Professor & HOD of E&C Engineering  
 The Oxford College of Engineering  
 Bommanahalli, Bangalore-560 068.

Principal

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**Karnataka State Council for Science and Technology**  
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.lsc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.lsc.ernet.in, www.kscst.org.in  
office.kscst@iisc.ac.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
The Oxford College of Engineering,  
Bengaluru - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020  
Your Project Proposal Reference No. : **43S\_BE\_4301**

Ref : Your Project Proposal entitled " **ROBOTIC COOK** "

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Particulars	Budget	
		Amount (Rs.)	
Student / s	Ms. Prakruthi K S		
	Ms. Raksha S		
	Ms. Saroja Narayan Patgar	Materials/Consumables	3,000.00
	Ms. Sindhu M S	Labour	-
Guide/s	Dr. R. Kanagavalli	Travel	-
	Ms. Vishalini S	Miscellaneous	500.00
		Report	500.00
Department	Information Science And Engineering	Total	4,000.00
Four Thousand Rupees Only			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.lsc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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Date: 11 January 2018

F No. 72-Policy 32, RIFD/PRERANA/2017-18

**All India Council for Technical Education**

(A Statutory Body under Ministry of Education, Government of India)

National Manager, Bangalore, New Delhi 110020, Phone: 011-26102222

**Prerana - Sanction Order**

To  
 The Drawing and Disbursing Officer,  
 All India Council for Technical Education,  
 Nelson Mandela Marg,  
 Varanasi Kure,  
 New Delhi - 110020

Sub: Release of a sum of Rs. 683000/- being the 100% Recurring as Grant-in-aid under Prerana Scheme - reg.

Sd/-  
 This is to convey the sanction of the Council for payment of Rs. 683000/- as 100% Recurring grant-in-aid under Prerana Scheme to **THE OXFORD COLLEGE OF ENGINEERING, BANGALORE URBAN, Ph No - 560068, Karnataka**.

- The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/Director/Principal of the Institute through RTGS.
- This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.
- The sanctioned amount is debitable to the Major Head 601.41 (b) & (c) of the Scheme of PRERANA and is valid for payment during the financial year 2018-19.

**The instructions/guidelines to be followed by University/Institution**

- Release of funds and maintenance of accounts**
- The Principal of the Institute and the Coordinator of the program are requested to verify the correctness of the under mentioned bank account/ RTGS details submitted by them along with the Proposal, in which the grant is being released.

Institute PAN No.	Bank Name	Bank Branch Name	Bank Branch Address	Account Holder Name	Account Type	Account Number	BSC Code
AAATC1553A	VJAYA BANK	OXFORD ENGG COLLEGE EXTN. COUNTER	OXFORD COLLEGE OF ENGG & OXFORD DENTAL COLLEGE, BANGALORE KARNATAKA	THE OXFORD COLLEGE OF ENGINEERING	Saving Account	18160101100015	VJUB0001818

In case of any omission the same should be reported to AICTE immediately.

- The Institute shall strictly follow the provisions laid down in the scheme document and sanction order no. F. No. RIFD/72-Policy (1), PRERANA/2017-18 dated 11/12/17 issued by this office unless and otherwise mentioned herein.
- Funds covered by this grant shall be kept separately and would not be mixed up with other funds, so as to know the amount of interest accrued on the grant.
- The University/College/Institute shall maintain proper accounts of the expenditure out of the grant, which shall be utilized only on approved items of expenditure.
- The grant is intended to cover items of expenditure connected with the Prerana Scheme such as Honorarium to the

AGIS Application Id: 1-3889011850

Page No. 1



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Page No. 2

File No. 72-Policy / RIT LAMPARANA/2017-18

eminent faculty members invited for conducting sessions @ Rs 2000/- per class of minimum 2 hours. No TA/DA will be paid. Students will be paid the application fee for such exams through this scheme.

- i. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma to be submitted by the University/College/Institution. Further, the accounts of the institute will be open for test check by the Council or Controller & Auditor General of India or any other officer designated by them.

#### II. Disbursement of funds to institutions

- a. 100% Recurring amount as grant-in-aid to be released to AICTE approved institutions under the scheme. There is no non-recurring amount.
- b. The above said grant shall be released on the basis of the Letter of Approval (LOA) issued by AICTE to the institute for the academic year 2018-19.

#### III. Instruction to Institute for Implementation of scheme

- a. The parent institution shall provide adequate space for conducting the classes for SC/ST students.
- b. For smooth functioning of scheme and to meet its objectives effectively, it is essential to assign an adequate manpower in the form of dedicated faculty as Principal Coordinator and support staff.
- c. The Principal Coordinator shall devise a feed-back mechanism to assess the importance of the programme. The feed-back shall be obtained after each programme from each of the SC/ST students. If need be, the centre can update its course curriculum of these programmes.
- d. The scheme should be started within six month from the release of funds and completed within 2 years.
- e. Any extra money required to complete the programme must be borne by the institute from their own resources. But the quality of the activities should not be compromised.

#### IV. Submission of documents by university/institution

- a. The following mandatory relevant documents are required to be submitted by the university/institution within one month of the completion of the program :-
  - i. Original Statement of actual expenditure & Utilization Certificate in the prescribed proforma duly signed by the Head of the institution and countersigned by Registrar/Finance Officer/Govt. Auditor. In case of self-financing/private institutions, Statement of actual Expenditure & Utilization Certificate are required to be audited & signed and sealed by a Chartered Accountant endorsing the membership number and complete postal address. Photocopies of formats are enclosed.  
Note: The university/institution is not required to submit bills/vouchers/invoices etc for the expenditure incurred out of recurring grants. However, such copies of bills/vouchers/invoices shall be digitized by respective institutions receiving grant and uploaded scanned copies of such bills/vouchers/invoices etc on the portal for availability and view at any point of time.
  - ii. Feedback form in the prescribed proforma.
  - iii. Copy of the proceedings and completion report.
  - iv. The minutes of the meetings of PEC along with its report.
- b. The balance amount of the grant, if any will be reimbursed to the university/institution only on submission of the above documents. On receipt of these documents, the total amount of balance of financial assistance, admissible as per the norms, shall be worked out and grant-in-aid shall be released, as second instalment, in favour of the beneficiary institution.
- c. The university/institution is expected to submit the above said mandatory documents viz. Utilization certificate, Expenditure Statement and feedback form etc within one month after completion of scheme. The entire amount of grant already released, along with interest accrued thereon shall be refunded to AICTE if mandatory documents are not submitted by the institute beyond one year.

#### V. General Instructions

- a. The approved Prerana scheme shall be conducted within six month from the date of release of funds.
- b. If programme is not conducted in the period of six months of the issuance of this Sanction Order, the released amount, along with interest accrued thereon, has to be returned back to AICTE. Kindly mention the File No. 72-

AICTE Application No. 1-3569011059

Page No. 2



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Date: 13 January 2019

F No: 12-Policy / RIFD/PEERANA/2017-18

Policy / RIFD/PEERANA/2017-18 in your future correspondence.

**Program Evaluation Committee (PEC)** is required to be constituted at institutional level. The constitution of the PEC shall be as under:

- (i) Principal/Director/Registrar of the institution (Chairperson)
- (ii) Coordinator of the program (Member Secretary)
- (iii) Two HODs and one subject expert (members)

The members of the said PEC shall not be below the rank of Associate Professor.

**Our OFR rules** (<https://doe.gov.in/order-circular/general/financialrules2017-18>) should be followed during utilisation of grant.

This Sanction Order may be treated as Offer Letter for all purposes.

Yours sincerely,  
  
**Dileep N. Malkhede**  
Advisor - I (RIFD)

Copy forwarded for information and necessary action to:

1. Name & address of Coordinator of the Program  
Dr. ANANDHI R J  
THE OXFORD COLLEGE OF ENGINEERING  
HOSUR ROAD,  
BOMMANAHALLI, BANGALORE URBAN  
BANGALORE - 560068
2. Registrar / Director / Principal  
THE OXFORD COLLEGE OF ENGINEERING  
HOSUR ROAD,  
BOMMANAHALLI, BANGALORE URBAN  
BANGALORE - 560068
3. Guard File

14 MAR 2019



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011-29381000  
Website : www.aicte-india.org



सत्यमेव जयते

अखिल भारतीय तकनीकी शिक्षा परिषद्

(मानव संसाधन विकास मंत्रालय, भारत सरकार)

(मानव संसाधन विकास मंत्रालय, भारत सरकार)

केन्द्रीय कार्यालय, एन.एम.जी. मार्ग, नई दिल्ली-110070

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(A Statutory Body of the Govt. of India)

(Ministry of Human Resource Development, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

F.No. 72-Policy(39)/RIFD/Prerana/2017-18

Dated: 10.07.2018

To

The Principal,  
The Oxford College of Engineering,  
Bommanahalli, Hosur Road,  
Bengaluru - 560068

Sub:-Grant of permission to change the Coordinator for the conduct of  
Prerana Scheme 2017-18-reg.

Sir,

This is with reference to your letter dated 08.07.2019 seeking  
permission to change the Coordinator as the actual Coordinator, of the  
Prerana Scheme has left her job by tendering her resignation.

Name of actual Coordinator	Name of proposed Coordinator	Reason given for change of Coordinator
Dr. Anandhi R. J, Prof. & H.O.D	Dr. R. China Appala Naidu, Prof. & H.O.D	Has quit the post held by her by tendering her resignation

It may please be noted that your request for change of Coordinator has  
been accepted by this office, and Dr. R. China Appala Naidu is a new  
coordinator for Prerana Scheme.

- P.O. Director, E. Infom D. Nandu  
A. S. Aravind

Yours Sincerely,

(Col B Venkat)  
Director (RIFD)





**CHILDREN'S EDUCATION SOCIETY (Regd.)**  
**THE OXFORD COLLEGE OF ENGINEERING**  
(Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi.  
Approved by A.I.C.T.E. New Delhi.  
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Bommanahalli, Hosur Road, Bangalore - 560 068.  
Ph: 080-61754601/602, Fax: 080 - 25730551  
E-mail: engprinciple@theoxford.edu Web: www.theoxfordengg.org



**Karnataka State Council for Science and Technology**  
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23341648, 23341647 • Telefax: 080-23341640  
Email: info@kscst.org, office@kscst.org In a Webella: www.kscst.org, www.kscst.org.in

Mr. H. Hemanth Kumar  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
The Oxford College of Engineering,  
Bengaluru - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020  
Your Project Proposal Reference No. : 435\_82\_4303

Ref : Your Project Proposal entitled " SMART ORNAMENT FOR WOMEN SECURITY AND SAFETY

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Particulars	Budget	
		Amount (Rs.)	
Ms. Banu Praveena	Materials/Consumables	3,000.00	
Mr. Akshat Maheshwar Reddy	Labour	-	
Ms. Manvi Pooja	Travel	-	
Mr. Aravindan R	Miscellaneous	500.00	
Prof. Seema Patil	Report	500.00	
Department	Computer Science And Engineering	Total	4,000.00
Four Thousand Rupees Only			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.kscernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords

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**CHILDREN'S EDUCATION SOCIETY (Regd.)**  
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Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

435\_02\_4301

**6) Introduction / background**

(with specific reference to the project, work done earlier, etc.) (about 10 lines)

**6) Objectives (about 10 lines)**

**7) Methodology (about 20 lines)**

(materials, methods, details of work carried out, including drawings, diagrams etc.)

**8) Results and Conclusions**

(about 20 lines with specific reference to work carried out)

**9) Scope for future work (about 20 lines).**

(Note: The write-up (Synopsis) should be sent with the approval of project guide.

The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.lisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.lisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

*H. Hemant Kumar*  
(H. Hemant Kumar)

Copy to:

1) The Head of the Department of  
Computer Science And Engineering  
The Oxford College Of Engineering,  
Bangalore - 560 068.

2) Prof. Seema Patil  
Department of Computer Science And Engineering  
The Oxford College Of Engineering,  
Bangalore - 560 068.

3) The Finance Officer, KSCST, Bangalore

Encl: As Above

*Congratulations.*  
*A. Hemant Kumar*  
*Congratulations*  
*12/1/2010*

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**Karnataka State Council for Science and Technology**  
Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341052, 23348848, 23348849 • Telefax: 080-23348840

Email: office@ksct.org, office@ksct.org.in • Website: www.ksct.ksc.ernet.in, www.ksct.org.in  
Office: KSCST, IISc, Bengaluru

**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March, 2020

Ref: 7.1.01/SPP/953

The Principal,  
The Oxford College of Engineering,  
Bengaluru - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020  
Your Project Proposal Reference No. : **43S\_BE\_3294**

Ref : Your Project Proposal entitled " **SKIN CANCER DETECTION USING MACHINE LEARNING**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Students	Ms. Sandhya R K	Budget	
	Mr. Prince Kumar Singh	Particulars	Amount (Rs)
	Ms. Vidya Shree M	Materials/Consumables	3,500.00
	Ms. Priyanka M	Labour	-
Guide/s	Prof. G Florance	Travel	-
	-	Miscellaneous	500.00
Department	Computer Science And Engineering	Report	500.00
		Total	4,500.00
Four Thousand Five Hundred Rupees Only			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@ksct.lisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

435\_BE\_3294

5) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc.)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide.**

**The softcopy of the write-up, in MS Word format, should be sent by e-mail**

**(spp@kscst.lisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

**BENCHMARK THE RESULTS WITH THE CLINICAL RESULTS.**

The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.lisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

*H. Hemanth Kumar*  
(H. Hemanth Kumar)

Copy to:

1) The Head of the Department of  
Computer Science And Engineering  
The Oxford College Of Engineering,  
Bengaluru - 560 068.

2) Prof. G Florance  
Department of Computer Science And Engineering  
The Oxford College Of Engineering,  
Bengaluru - 560 068.

3) The Finance Officer, KSCST, Bengaluru

Encl: As Above

*Congratulations.*  
*A. S. Srinivas*  
*Congratulations*  
*18/5/2024*



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Emails: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in  
office.kscst@iisc.ac.in

Mr. H. Hemanth Kumar  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
The Oxford College of Engineering,  
Bengaluru - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020  
Your Project Proposal Reference No. : 43S\_BE\_2480

Ref : Your Project Proposal entitled " W.A.L.T.E.R. (WATER ATR & LIGHT TRANSFORMING ENERGY RESOURCES)

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Particulars	Budget	
		Amount (Rs.)	
Mr. Mohammed Mansoor	Materials/Consumables	6,000.00	
Mr. Anan Pasha	Labour	500.00	
Ms. Saba Fathima	Travel	500.00	
Mr. Syed Danish Hussain	Miscellaneous	500.00	
Guide/s	Report	500.00	
Dr. Yashoda B S			
-			
Department	Mechatronics		
	Total	8,000.00	
	Eight Thousand Rupees Only		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprncipla@theoxford.edu Web: www.theoxfordengg.org

43S\_BE\_2480

- 6) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
  - 6) Objectives (about 10 lines)
  - 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
  - 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
  - 9) Scope for future work (about 20 lines).
- (Note: The write-up (Synopsis) should be sent with the approval of project guide.  
The softcopy of the write-up, in MS Word format, should be sent by e-mail  
(spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal  
reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

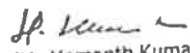
The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

  
(H. Hemant Kumar)

Copy to:

- 1) The Head of the Department of  
Mechatronics  
The Oxford College Of Engineering,  
Bengaluru - 560 068.
- 2) Dr. Yashoda B S  
Department of Mechatronics  
The Oxford College Of Engineering,  
Bengaluru - 560 068.
- 3) The Finance Officer, KSCST, Bengaluru

End: As Above

*Congratulations.*  




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Email: office@kscst.org.in, office@kscst.org.in • Website: www.kscst.org.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

The Principal,  
The Oxford College of Engineering,  
Bengaluru - 560 068.

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020  
Your Project Proposal Reference No. : **43S\_BE\_3290**

Ref : Your Project Proposal entitled \* **AN AUTOMATED FOODWAY TRACK RESTAURANT**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Particulars	Budget	
		Amount (Rs.)	
Ms. Rabya Suroor	Ms. Sahana L		
	Ms. S Preethi	Materials/Consumables	4,000.00
	Ms. Sangeetha U Hottigoudra	Labour	-
		Travel	-
Guide/s	Mr. Amaresha	Miscellaneous	500.00
		Report	500.00
Department	Information Science And Engineering	Total	5,000.00
		Five Thousand Rupees Only	

The following are the guidelines to carryout the project work :

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- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.org.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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E-mail: engprinicipal@theoxford.edu Web: www.theoxfordengg.org

43S\_BE\_3290

- 6) Introduction / background  
(with specific reference to the project, work done earlier, etc) - about 20 lines
  - 6) Objectives (about 10 lines)
  - 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
  - 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
  - 9) Scope for future work (about 20 lines).
- (Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

**The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.**

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

*H. Hemant Kumar*  
(H. Hemant Kumar)

Copy to:

- 1) The Head of the Department of  
Information Science And Engineering  
The Oxford College Of Engineering,  
Bengaluru - 560 068.
- 2) Mr. Amaresha  
Department of Information Science And Engineering  
The Oxford College Of Engineering,  
Bengaluru - 560 068.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above

*Congratulations.*  
*A. H. Prasad*



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**2020-21**

**List of teachers along with the department affiliation, title of the funded project, the amount and the funding agency**

SL. No.	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/ non-Government)
1.	Rofus (Robotic Fish for Underwater Surveillance)	Dr. Yashoda B S	MTE	2020-21	6000	1 Year	KSCST	Government
2.	Humanoid Robot with Three Gripper End Effector	Mrs. Seema	MTE	2020-21	6000	1 Year	KSCST	Government
3.	Automated Domestic Water Reutilization System	Mrs. Vidhyas	ISE	2020-21	5000	1 Year	KSCST	Government
4.	Human Detecting Robot for Earthquake Rescue Operation Using IOT	Dr. R Kanagavalli	ISE	2020-21	5000	1 Year	KSCST	Government
5.	Appraising System for Stubble Burning Using Humanoid Skull	Dr. Manju Devi	ECE	2020-21	6000	1 Year	KSCST	Government
6.	Low-Cost Density Based Traffic Light Controller System with Real Time Air Quality Monitoring and Integrated	Dr. Manju Devi	ECE	2020-21	6000	1 Year	KSCST	Government

**PRINCIPAL**  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560 068



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E-mail: enggprincipal@theoxford.edu Web: www.theoxfordengg.org

	Surveillance Camera							
7.	Contactless Door and Doorbell Security System for Pandemic	Prof. Jayaraj N	ECE	2020-21	6000	1 Year	KSCST	Government
8.	Automatic Mask and Medicine Vending Machine with Automatic Hand Sanitizer and Refilling	Jayaraj N/Preethasharan	ECE	2020-21	6000	1 Year	KSCST	Government
9.	Bullet Proof Jacket with Gun Shot Detection Technology	B. Devi Vighneshwari /Mr. Jayakumar N	EEE	2020-21	6000	1 Year	KSCST	Government
10.	IOT Based Intelligent Insulin Pump	Dr. V S Bharath	EEE	2020-21	5000	1 Year	KSCST	Government
11.	Characterization of Aluminum 7075 Short Nickel Coated Fiber Metal Matrix	Prof. N Raghavendra	MECH	2020-21	6000	1 Year	KSCST	Government
12.	Design And Fabrication of Android Operated Water Tank Cleaning Machine	Prof. Vidyadhar Pujar	MECH	2020-21	7000	1 Year	KSCST	Government
13.	A Project on Low Budget Electricity Supply to Small Village by Using Solid Waste	Ms. Kavya S K	CIVIL	2020-21	4000	1 Year	KSCST	Government
14.	Design, Synthesis and Characterization of Nano Hybrid	Dr. Raju B R	AU	2020-21	8000	1 Year	KSCST	Government

63  
**PRINCIPAL**  
The Oxford College of Engineering  
Bommanahalli, Hosur Road  
Bangalore-560 068



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	Composites for Automotive Applications.							
15.	Nanotization of Potential indigenous herbal medications in treatment of high blood pressure	Dr.B.K. Manjunath	BT	2021	441331	2 Years	National Innovation Foundation	Government
16.	Protection and monitor of lake using smart device	Dr. Preeta Sharan	ECE	2020-21	5000	1 year	IEEE Bangalore section	Private
17.	Multi-Purpose Robotic hand	Dr.Preeta Sharan	ECE	2020-21	5000	1 year	IEEE Bangalore section	Private

  
**PRINCIPAL**  
 The Oxford College of Engineering,  
 Bommanahalli, Hosur Road  
 Bengaluru-560 068



**CHILDREN'S EDUCATION SOCIETY (Regd.)**  
**THE OXFORD COLLEGE OF ENGINEERING**

(Recognised by the Govt. of Karnataka, Affiliated to Visvesvaraya Technological University, Belagavi.

Approved by A.I.C.T.E. New Delhi.

Recognised by UGC Under Section 2(f)

Bommanahalli, Hosur Road, Bangalore - 560 068.

Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: enggprincipal@theoxford.edu Web: www.theoxfordengg.org

**E – Copies of Sanctioned Letters from Funding Agencies**



**Karnataka State Council for Science and Technology**

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080 23341652, 23348848, 23348849, 23348840

Email: office.kscst@isc.ac.in, office@kscst.org.in Website: www.kscst.org.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
The Oxford College of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S\_BE\_1302**

Ref : Your Project Proposal entitled " **ROFUS (ROBOTIC FISH FOR UNDERWATER SURVEILLANCE)**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Particulars	Budget	
		Amount (Rs.)	
Ms. Vijayalakshmi S	Ms. Deshna Mohanty		
	Materials/Consumables	5,000.00	
	Labour	-	
Guide/s	Dr. Yashoda B S		
	Travel	-	
	Miscellaneous	500.00	
Department	Mechatronics		
	Report	500.00	
	<b>Total</b>	<b>6,000.00</b>	
<b>SIX THOUSAND RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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E-mail: enggprincipal@theoxford.edu Web: www.theoxfordengg.org

6) Introduction / background

44S\_BE\_1302

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide.

The softcopy of the write-up, in MS Word format, should be sent by e-mail

(spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / Information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

(H. Hemanth Kumar)

Copy to (by email):

1) Dr. B T Manjunath

SPP Coordinator

The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

2) Dr. Yashoda B S

Department of Mechatronics

The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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**Mr. H. Hemanth Kumar**  
 Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
 The Oxford College of Engineering Bommanahalli Hosur Road  
 Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S\_BE\_2538**

Ref : Your Project Proposal entitled " **HUMANOID ROBOT WITH THREE GRIPPER END EFFECTOR**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Ms. Varshadhare K	Budget	
	Mr. Annlesh D K	Particulars	Amount (Rs.)
	Ms. Brundha J	Materials/Consumables	5,000.00
	Ms.Shreya Bradar G	Labour	-
Guide/s	Mrs. Seema	Travel	-
		Miscellaneous	500.00
Department	Mechatronics	Report	500.00
		Total	6,000.00
SIX THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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E-mail: engprncipak@theoxford.edu Web: www.theoxfordengg.org

6) Introduction / background

44S\_BE\_2538

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide.**

**The softcopy of the write-up, in MS Word format, should be sent by e-mail**

**(spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal**

**reference number and title of the project.)**

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/Institution.

The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

(H. Hemanth Kumar)

Copy to (by email):

1) Dr. B T Manjunath

SPP Coordinator

The Oxford College Of Engineering Bommanahallihosur Road  
Bengaluru - 560 068

2) Mrs. Seema

Department of Mechatronics

The Oxford College Of Engineering Bommanahallihosur Road  
Bengaluru - 560 068

3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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**Mr. H. Hemanth Kumar**  
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
The Oxford College of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S\_BE\_2508

Ref : Your Project Proposal entitled " AUTOMATED DOMESTIC WATER REUTILIZATION SYSTEM

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Students	Mr. Bhat Shreevatsa Ramanatha	Budget	
	Mr. Pasala Sandeep Reddy	Particulars	Amount (Rs)
	Ms. Sagi Sathya Vishnu Sudeepthi	Materials/Consumables	4,000.00
	Ms. Nisha C	Labour	-
Guide/s	Mrs. Vidhya S	Travel	-
		Miscellaneous	500.00
Department	Information Science And Engineering	Report	500.00
		Total	5,000.00
FIVE THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail {spp@kscst.isc.ernet.in} and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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E-mail: engprncipal@theoxford.edu Web: www.theoxfordengg.org

- 5) Introduction / background 445\_BE\_2508  
(with specific reference to the project, work done earlier, etc) - about 20 lines  
6) Objectives (about 10 lines)  
7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)  
8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)  
9) Scope for future work (about 20 lines).  
(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

**BENCH MARK QUALITY OF WATER. TEST THE QUALITY OF WATER**

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

(H. Hemanth Kumar)

Copy to (by email):

- 1) Dr. B T Manjunath  
SPP Coordinator  
The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

- 2) Mrs. Vidhya S  
Department of Information Science And Engineering  
The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

- 3) The Finance Officer, KSCST, Bengaluru

End: As Above



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**Mr. H. Hemanth Kumar**  
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
The Oxford College of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S\_BE\_2512

Ref : Your Project Proposal entitled " **HUMAN DETECTING ROBOT FOR EARTHQUAKE RESCUE OPERATION USING IOT**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Particulars	Budget	
		Amount (Rs.)	
Ms. Namitha Malali N Ms. Ashwini Mekale Ms. Gopika M Ms. Mitta Radha Suchetha	Materials/Consumables	4,000.00	
	Labour	-	
	Travel	-	
	Miscellaneous	500.00	
Guide/s Dr. R. Kanagavalli	Report	500.00	
	Total	5,000.00	
FIVE THOUSAND RUPEES ONLY			

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  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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E-mail: engprinciple@theoxford.edu Web: www.theoxfordengg.org

6) Introduction / background

445\_BE\_2512

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide.

The softcopy of the write-up, in MS Word format, should be sent by e-mail

(spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

(H. Hemanth Kumar)

Copy to (by email):

1) Dr. B T Manjunath

SPP Coordinator

The Oxford College Of Engineering Bommanahalli Hosur Road  
Bangalore - 560 068

2) Dr. R Kanagavalli

Department of Information Science And Engineering

The Oxford College Of Engineering Bommanahalli Hosur Road  
Bangalore - 560 068

3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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**Mr. H. Hemanth Kumar**  
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
The Oxford College of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S\_BE\_2514

Ref : Your Project Proposal entitled " **APPRAISING SYSTEM FOR STUBBLE BURNING USING HUMANOID SKULL**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Particulars	Budget	
		Amount (Rs.)	
Ms. Vanishree.P Ms. Ruchitha.V Ms. Rashmi.S Ms. Padmavathi.K	Materials/Consumables	5,000.00	
	Labour	-	
	Travel	-	
	Miscellaneous	500.00	
Guide/s Dr. Manju Devi	Report	500.00	
	Total	6,000.00	
Department Electronics And Communication Engineering			
SIX THOUSAND RUPEES ONLY			

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- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail (spp@kscst.iisc.ernet.in) and should include following :
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E-mail: enggprincipal@theoxford.edu Web: www.theoxfordengg.org

- 6) Introduction / background 44S\_BE\_2514  
(with specific reference to the project. work done earlier, etc) - about 20 lines  
6) Objectives (about 10 lines)  
7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)  
8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)  
9) Scope for future work (about 20 lines).  
(Note: The write-up (Synopsis) should be sent with the approval of project guide.  
The softcopy of the write-up, in MS Word format, should be sent by e-mail  
(spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal  
reference number and title of the project.)


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Thanking you and with best regards,

Yours sincerely,

  
(H. Hemant Kumar)

Copy to (by email):

- 1) Dr. B T Manjunath  
SPP Coordinator  
The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068
- 2) Dr. Manju Devi  
Department of Electronics And Communication Engineering  
The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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**Mr. H. Hemanth Kumar**  
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
The Oxford College of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S\_BE\_4051

Ref : Your Project Proposal entitled " **LOW COST DENSITY BASED TRAFFIC LIGHT CONTROLLER SYSTEM WITH REAL TIME AIR QUALITY MONITORING AND INTEGRATED SURVEILLANCE CAMERA**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Particulars	Budget	
		Amount (Rs.)	
Ms. Manasa L Ms. Komala J Ms. Archana K Ms. Ashwin Jha	Materials/Consumables	5,000.00	
	Labour	-	
	Travel	-	
	Miscellaneous	500.00	
Guide/s Dr. Manju Devi	Report	500.00	
	<b>Total</b>	<b>6,000.00</b>	
<b>SIX THOUSAND RUPEES ONLY</b>			

The following are the guidelines to carryout the project work :

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  - Name of the College & Department
  - Name of the students & Guide(s)
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THE OXFORD COLLEGE OF ENGINEERING**

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Approved by A.I.C.T.E. New Delhi.

Recognised by UGC Under Section 2(f)

Bommanahalli, Hosur Road, Bangalore - 560 068.

Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: engprincipal@theoxford.edu Web: www.theoxfordengg.org

6) Introduction / background

44S\_BE\_4051

(with specific reference to the project work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide.

The softcopy of the write-up, in MS Word format, should be sent by e-mail

(spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

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The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

(H. Hemant Kumar)

Copy to (by email):

1) Dr. B T Manjunath

SPP Coordinator

The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

2) Dr. Manju Devi

Department of Electronics And Communication Engineering

The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

3) The Finance Officer, KSCST, Bangalore

Encl: As Above



**CHILDREN'S EDUCATION SOCIETY (Regd.)**  
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Email: office.kscst@isc.ernet.in, office@kscst.org.in @ Website: www.kscst.isc.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**  
**Executive Secretary**

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
The Oxford College of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S\_BE\_4053

Ref : Your Project Proposal entitled " CONTACTLESS DOOR AND DOORBELL SECURITY SYSTEM  
FOR PANDEMIC

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Students	Mr. Sanjay S N	Budget	
		Particulars	Amount (Rs)
	Mr. Venu Prasad K M	Materials/Consumables	5,000.00
	Mr. Vijay Kumar D B	Labour	-
	Mr. Charana Basava	Travel	-
Guide/s	Prof. Jayaraj N	Miscellaneous	500.00
		Report	500.00
Department	Electronics And Communication Engineering	Total	6,000.00
SIX THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail (spp@kscst.isc.ernet.in) and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: enggprincipal@theoxford.edu Web: www.theoxfordengg.org

- 5) Introduction / background 44S\_BE\_4053  
(with specific reference to the project, work done earlier, etc) - about 20 lines  
6) Objectives (about 10 lines)  
7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)  
8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)  
9) Scope for future work (about 20 lines).  
(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

*CAN TRY CREAT AUTOMATED / SMART CONTACT SENSING VIA IR SENSOR BODY NETWORKS*

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

(H. Hemanth Kumar)

Copy to (by email):

- 1) Dr. B T Manjunath  
SPP Coordinator  
The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

- 2) Prof. Jayaraj N  
Department of Electronics And Communication Engineering  
The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

- 3) The Finance Officer, KSCST, Bengaluru

End: As Above



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**Mr. H. Hemant Kumar**  
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
The Oxford College of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S\_BE\_4054

Ref : Your Project Proposal entitled " **AUTOMATIC MASK AND MEDICINE VENDING MACHINE  
WITH AUTOMATIC HAND SANITIZER AND REFILLING**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Students	Particulars	Budget	
		Amount (Rs)	
Ms. Divya B	Materials/Consumables	5,000.00	
Ms. Aishwarya K	Labour	-	
Mr. Allam Aravind Kumar	Travel	-	
Ms. Rakshitha P	Miscellaneous	500.00	
Guide/s	Report	500.00	
Mr. Jayaraj N	Total	6,000.00	
Dr. Preeta Sharan			
Department			
Electronics And Communication Engineering			
SIX THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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E-mail: enggprincipal@theoxford.edu Web: www.theoxfordengg.org

- 5) Introduction / background 44S\_BE\_4054  
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).  
(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

*CAN TRY FOR MEDICINE VENDING MACHINE IN GENERAL*

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

(H. Hemant Kumar)

Copy to (by email):

1) Dr. B.T. Manjunath  
SPP Coordinator  
The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

2) Mr. Jayaraj N  
Department of Electronics And Communication Engineering  
The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

3) The Finance Officer, KSCST, Bengaluru

End: As Above



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**Mr. H. Hemanth Kumar**  
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
The Oxford College of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S\_BE\_2519

Ref : Your Project Proposal entitled " BULLET PROOF JACKET WITH GUN SHOT DETECTION  
TECHNOLOGY

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Students	Mr. Abhishek V	Budget	
		Particulars	Amount (Rs)
	Mr. Afreim Nazir		
	Mr. Anmol H R	Materials/Consumables	5,000.00
	Mr. Dhruva D L	Labour	-
Guide/s	Dr. B.Devi Vighneshwari	Travel	-
	Mr. Jayakumar N	Miscellaneous	500.00
Department	Electrical And Electronics	Report	500.00
	Engineering	Total	6,000.00
SIX THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

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- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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- 5) Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines) (materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions (about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).
- (Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

44S\_BE\_2519

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

LOT OF IMAGINARY POINTS ARE OBSERVED. BRINGOUR THE MODEL

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

(H. Hemant Kumar)

Copy to (by email):

1) Dr. B T Manjunath  
SPP Coordinator  
The Oxford College Of Engineering BommanahalliHosur Road  
Bengaluru - 560 068

2) Dr. B.Devi Vighneshwari  
Department of Electrical And Electronics Engineering  
The Oxford College Of Engineering BommanahalliHosur Road  
Bengaluru - 560 068

3) The Finance Officer, KSCST, Bengaluru

End: As Above



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**Mr. H. Hemanth Kumar**  
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
The Oxford College of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S\_BE\_2520

Ref : Your Project Proposal entitled " IOT BASED INTELLIGENT INSULIN PUMP

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Ms. Sheetal A Naik	Budget	
		Particulars	Amount (Rs.)
	Ms. Sneha S Kadani	Materials/Consumables	4,000.00
	Ms. Supriya S Kammar	Labour	-
	Ms. Vidya Krishnappa Rathod	Travel	-
	Dr. V S Bharath	Miscellaneous	500.00
Department	Electrical And Electronics	Report	500.00
	Engineering	Total	5,000.00
FIVE THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

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- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
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- 6) Introduction / background 44S\_BE\_2520  
(with specific reference to the project, work done earlier, etc) - about 20 lines  
6) Objectives (about 10 lines)  
7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)  
8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)  
9) Scope for future work (about 20 lines).  
(Note: The write-up (Synopsis) should be sent with the approval of project guide.  
The softcopy of the write-up, in MS Word format, should be sent by e-mail  
(spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal  
reference number and title of the project.)

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Thanking you and with best regards,

Yours sincerely,

(H. Hemanth Kumar)

Copy to (by email):

- 1) Dr. B T Manjunath  
SPP Coordinator  
The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

- 2) Dr. V S Bharath  
Department of Electrical And Electronics Engineering  
The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

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Encl: As Above



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**Mr. H. Hemanth Kumar**  
**Executive Secretary**

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
The Oxford College of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S\_BE\_2523

Ref : Your Project Proposal entitled " **CHARACTERIZATION OF ALUMINIUM 7075 SHORT NICKEL COATED FIBER METAL MATRIX**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Vibhav Kumar Yadav	Budget	
	Mr. Surya K Naidu	Particulars	Amount (Rs.)
	Mr. Sri Sai Rakshak M	Materials/Consumables	4,000.00
	Mr. Manish Saini N	Labour	500.00
Guide/s	Prof. N Raghavendra	Travel	500.00
		Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
		Total	6,000.00
SIX THOUSAND RUPEES ONLY			

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6) Introduction / background

44S\_BE\_2523

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide.

The softcopy of the write-up, in MS Word format, should be sent by e-mail

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Thanking you and with best regards,

Yours sincerely,

(H. Hemanth Kumar)

Copy to (by email):

1) Dr. B T Manjunath

SPP Coordinator

The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

2) Prof. N Raghavendra

Department of Mechanical Engineering

The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@isc.ernet.in, office@kscst.org.in Website: www.kscst.ernet.in, www.kscst.org.in

**Mr. H. Hemanth Kumar**

*Executive Secretary*

24th April 2021

Ref: 7.1.01/SPP/10

The Principal

The Oxford College of Engineering Bommanahalli Hosur Road

Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S\_BE\_2532

Ref : Your Project Proposal entitled " **DESIGN AND FABRICATION OF ANDROID OPERATED WATER TANK CLEANING MACHINE**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Santosh Nemadi	Budget	
		Particulars	Amount (Rs.)
	Mr. Srikant Devathraj	Materials/Consumables	5,000.00
	Mr. Sangamesh Kumar Kudari	Labour	500.00
	Mr. Sangamesh	Travel	500.00
Guide/s	Prof. Vidyadhar Pujar	Miscellaneous	500.00
		Report	500.00
Department	Mechanical Engineering	Total	7,000.00
SEVEN THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



**CHILDREN'S EDUCATION SOCIETY (Regd.)  
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Recognised by UGC Under Section 2(f)

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Ph: 080-61754601/602, Fax: 080 - 25730551

E-mail: enggprincipal@theoxford.edu Web: www.theoxfordengg.org

6) Introduction / background

44S\_BE\_2532

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide.

The softcopy of the write-up, in MS Word format, should be sent by e-mail

(spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal

reference number and title of the project.)

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

(H. Hemanth Kumar)

Copy to (by email):

1) Dr. B T Manjunath

SPP Coordinator

The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

2) Prof. Vidyadhar Pujar

Department of Mechanical Engineering

The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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**Mr. H. Hemanth Kumar**  
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
The Oxford College of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S\_BE\_2533

Ref : Your Project Proposal entitled " **A PROJECT ON LOW BUDGET ELECTRICITY SUPPLY TO SMALL VILLAGE BY USING SOLID WASTE**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Pavan S	Budget	
		Particulars	Amount (Rs.)
	Ms. Sushma G	Materials/Consumables	3,000.00
		Labour	-
		Travel	-
Guide/s	Ms. Kavya S K	Miscellaneous	500.00
		Report	500.00
Department	Civil Engineering	Total	4,000.00
FOUR THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail (spp@kscst.isc.ernet.in) and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
  - Keywords



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- 6) Introduction / background 44S\_BE\_2533  
(with specific reference to the project, work done earlier, etc) - about 20 lines  
6) Objectives (about 10 lines)  
7) Methodology (about 20 lines)  
(materials, methods, details of work carried out, including drawings, diagrams etc)  
8) Results and Conclusions  
(about 20 lines with specific reference to work carried out)  
9) Scope for future work (about 20 lines).  
(Note: The write-up (Synopsis) should be sent with the approval of project guide.  
The softcopy of the write-up, in MS Word format, should be sent by e-mail  
(spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal  
reference number and title of the project.)

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

  
(H. Hemant Kumar)

Copy to (by email):

- 1) Dr. B T Manjunath  
SPP Coordinator  
The Oxford College Of Engineering Bommanahallihosur Road  
Bengaluru - 560 068
- 2) Ms. Kavya S K  
Department of Civil Engineering  
The Oxford College Of Engineering Bommanahallihosur Road  
Bengaluru - 560 068

- 3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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**Mr. H. Hemanth Kumar**

Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal  
The Oxford College of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S\_BE\_2537**

Ref : Your Project Proposal entitled " **DESIGN, SYNTHESIS AND CHARACTERIZATION OF NANO HYBRID COMPOSITES FOR AUTOMOTIVE APPLICATIONS.**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Ansuman Tiwari	Budget	
		Particulars	Amount (Rs.)
	Mr. Kailash S		
	Mr. Kalyaan	Materials/Consumables	6,000.00
	Mr. Rahul Jacob J	Labour	500.00
	Dr. Raju B R	Travel	500.00
Guide/s		Miscellaneous	500.00
		Report	500.00
Department	Automobile Engineering	Total	8,000.00
EIGHT THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
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- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iscernet.in] and should include following :
  - Title of the project
  - Name of the College & Department
  - Name of the students & Guide(s)
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6) Introduction / background

44S\_BE\_2537

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

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(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

**(Note: The write-up (Synopsis) should be sent with the approval of project guide.**

**The softcopy of the write-up, in MS Word format, should be sent by e-mail**

**(spp@kscst.ilsc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)**

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The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.ilsc.ernet.in

Thanking you and with best regards,

Yours sincerely,

(H. Hemanth Kumar)

Copy to (by email):

1) Dr. B T Manjunath

SPP Coordinator

The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

2) Dr. Raju B R

Department of Automobile Engineering

The Oxford College Of Engineering Bommanahalli Hosur Road  
Bengaluru - 560 068

3) The Finance Officer, KSCST, Bangalore

Encl: As Above



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राष्ट्रीय नवप्रवर्तन प्रतिष्ठान - भारत

विद्यया नवमं धामनाम्, भारत सरकार का स्वतंत्रकारी संस्थान

National Innovation Foundation - India

Autonomous Body of Department of Science & Technology Govt. of India

Dr. Ravikumar R.K.  
Scientist E

Date: 15.02.2021

NIF/VARD-Vet/2021/130209

To,

Dr. Dr. B.K. Manjunath  
Professor & Head  
Department of Biotechnology  
The Oxford College of Engineering  
10<sup>th</sup> Milestone, Bommanahalli,  
Hosur Road, Bangalore - 560 068

Subject: Project entitled "Nanotization of potential indigenous herbal medications in treatment of high blood pressure"

Ref. NIF/VARD-Vet/2020/125990 dated 01.05.2020 & Ref. No.: TOCE/EST/2019-20 dated 19.03.2020

Dear Dr. B.K. Manjunath,

Greetings from NIF.

An amount of ₹2,20,666/- (Rs. Two Lakhs Twenty Thousand Six Hundred and Sixty-six only) has been released as second instalment through NEFT transaction on 12.02.2021 with Transaction ID: S78376739 in the name of TOCE-BT-NIF, The Oxford College of Engineering for enabling project activities.

Kindly acknowledge the safe receipt.

With regards,

  
[Ravikumar R.K.]  
ravikumar@nifindia.org

Copy to:

Principal, The Oxford College of Engineering, 10<sup>th</sup> Milestone, Bommanahalli, Hosur Road,  
Bangalore - 560 068

बंगलूरु, कान्ठारगुड-महोद रोड, अमरपुर, कान्ठारगुड - 560068, भारत  
Gandharigudi Mahod Road, Amarpur, Gandharigudi - 560068, India  
Phone: 080-2794251/2794252, Fax: 080-2794253, Email: principal@oxfordengg.org, Web: www.oxfordengg.org



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ರಾಷ್ಟ್ರೀಯ ನವ್ಯಾಳೋಚನಾ ಫೌಂಡೇಷನ್ - NIF

National Innovation Foundation - NIF

National Innovation Foundation - NIF

National Innovation Foundation - NIF

Date: 01/05/2020

NIF/VARD-Vet/2020/125990

**SANCTION ORDER**

Subject: Research project for Nanotization of potential indigenous herbal medications for reducing blood pressure - reg.

Ref. No. TOCE/EST/2019-20 dated 19.03.2020

Dear Dr. B.K. Manjunath,

A sanction not exceeding of Rs. 4,41,331/- (Rupees Four Lakhs Forty-one Thousand Three Hundred and Thirty-one only) is hereby accorded for the project titled "Nanotization of potential indigenous herbal medications in treatment of high blood pressure". The objectives and processing of the program will be according to the proposal submitted to NIF.

The items of expenditure for which total allocation of Rs. 4,41,331/- has been approved and released are given below as:

S. No.	Particulars	Amount (Rs.)
	Source drug - herbal formulation/major lead molecule	
1.	$\beta$ -Sitosterol (25 grams)	31,600/-
2.	Cucurbitacin B (10 mg)	45,210/-
3.	$\beta$ -amyrin (10 mg)	49,500/-
4.	Functionalized nanoparticles - 10 mg	50,000/-
5.	Preliminary characterization	50,000/-
6.	Consumables - Stabilizers/reducing agents / Buffers/Solvents	50,000/-
7.	Contingency	25,000/-
8.	Travel	25,000/-
9.	Outsourcing cost for SEM/TEM/XRD/GC-MS/DLS - studies	75,000/-
	<b>Total</b>	<b>4,01,210/-</b>
	Overhead [10% of total cost]	40,121/-
	<b>Grand Total</b>	<b>4,41,331/-</b>

The amount of Rs. 2,20,600/- (Rupees Two Lakhs Twenty Thousand Six Hundred and Sixty-six only) has been released as first instalment and transferred through NEFT Transaction ID 561181292 on 27.04.2020 to the account of TOCE-BT-NIF, TOCE-BT-NIF, The Oxford College of Engineering/Dental College and Hospital, Acc. No: 181801011002534, Vijaya Bank, IFSC Code: VIJB0001818.



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The University will furnish to the NIF, Utilization Certificate and audited statement of accounts pertaining to the program immediately after completion of project. The Oxford College of Engineering will maintain separate audited accounts for the project. If it is found expedient to keep a part or whole of the grant in a bank account earning interest, then the interest earned should be reported to the NIF. The interest thus earned will be treated as a credit to the university to be adjusted.

The grant sanctioned and released is for the specific program and portion of grant, which the grantee fails to utilize for the purpose for which the grant is sanctioned will be recovered along with interest.

It will be mandatory to submit interim and final reports to NIF.

Please acknowledge the receipt of the sanction order and sanctioned amount for the program.

With kind regards,

[Ravikumar]

ravikumar@nifindia.org

To,  
Dr. B.K. Manjunath  
Professor and Head  
Department of Biotechnology  
The Oxford College of Engineering  
10th Milestone, Bommanahalli, Hosur Road, Bangalore - 560 068

Copy to:  
Principal  
The Oxford College of Engineering  
10th Milestone, Bommanahalli, Hosur Road, Bangalore - 560 068



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May 21, 2020

To,  
The Principal,  
The Oxford College Of Engineering,  
10<sup>th</sup> Milestone, Bommanahalli,  
Hosur Road, Bengaluru-560068

Dear Sir,

**Subject: Selected Projects for IEEE Bangalore Section -Humanitarian Technology Project Funding 2020 (IEEE BS-SHTPF 2020)**

I am happy to inform you that following project of your Institution have been selected by IEEE BANGALORE SECTION for funding under the scheme IEEE BS-SHTPF 2020

The following is the list of Selected Projects from your Institution

Sl. No	Project Title	Name of the Students	Name of the Guide
1.	Protection and Monitor Of Lake Using Smart Device	Akhilesh Patil, Kuppan Venkata Sai Dinesh, Sumeet Kulkarni and Sharan A	Dr. Preeta Sharan
2.	Multipurpose Robotic Hand	Meghana K S, Praphul Chandra S V, Malathi N and Deepa R	Dr Preeta Sharan

**Terms & Conditions:**

1. Project Funds will be released after successful completion, presentation and demonstrations at IEEE Bangalore Humanitarian Technology Conference going to be held on Oct 8-10, 2020 at BLDE's V P Dr. P G Halakati College of Engineering and Technology, Vijayapur.
2. Project fund of Maximum Rs. 5000 or actual expenditure, whichever is less will be released.
3. At least one project member has to attend the conference and present & demonstrate the work in-front of Jury Members.
4. This funding should be used for purchasing components and other consumables, but not for travel.
5. 1 Page project status report, describing work accomplished (within 3 months) needs to be submitted by July 10, 2020.
6. A detailed project report needs to be submitted after completing the Project, but not later than October 6, 2020.
7. Maximum duration of Project is 6 months i.e. last date of completion of all the work including project report submission is October 6, 2020.



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E-mail: engprncipak@theoxford.edu Web: www.theoxfordengg.org

We expect you to submit competent projects in large number for the upcoming proposals also.

For Any clarifications you can reach out to Prof. Raghvendra Prasad S G

(raghavendra.prasad.sg@ieee.org), Coordinator, IEEE BS-SHTPF 2020.

Thanking you and with Best Regards,

Yours Sincerely,

Puneet Kumar Mishra  
2020 Chair IEEE Bangalore Section

Copy to :

1. Dr. Preeta Sharan ,IEEE Student Branch Counselor, The Oxford College Of Engineering
2. Prof. Raghvendra Prasad S G, SAC Chair & Coordinator, IEEE BS-SHTPF 2020.



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941010945 A

(19) INDIA

(22) Date of filing of Application :20/03/2019

(43) Publication Date : 25/09/2020

(54) Title of the invention : SYSTEM AND METHOD FOR GIMBAL POSITION LOCK

(51) International classification	:A44B0019300000, A43B0007140000, A47C0009000000, H01H0003160000, A61H0015000000	(71)Name of Applicant : <b>1) Bharat Electronics Limited</b> Address of Applicant :Outer Ring Road, Nagavara, Bangalore Karnataka India (72)Name of Inventor : <b>1)JUNAID. P.</b>
(31) Priority Document No	:NA	
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract :		

Based on sensing the position locking device (102) decides various modes of a gimbal system (108). The position locking device (102) comprising: a holder (224) to limit balls (218-a, 218-b) movement in a vertical direction by means of guide holes (223); grooves (232) mounted on a shaft (230) is to pull the balls (218-a, 218-b).; flat springs (212, 216) located just below switches (104, 106) to activate the said switches (104, 106); and helical spring (226) to retain the shaft (230) at various positions. The shaft (230) surface pushes the balls (218-a, 218-b) in an upward direction. The switches (104, 106) sense the multiple positions of the lock shaft (230) through cam action of the balls (218-a, 218-b).

No. of Pages : 27 No. of Claims : 12



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The Patent Office Journal No. 39/2020 Dated 25/09/2020

43722



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811032829 A

(19) INDIA

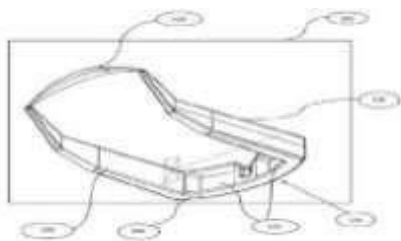
(22) Date of filing of Application :31/08/2018

(43) Publication Date : 14/08/2020

(54) Title of the invention : WIRELESS MOUSE AND KEYBOARD DEVICE FOR HANDICAPPED

(51) International classification	:H04R0005033000, G02C0011000000, G02B0027010000, G06F0003035400, A62B0018080000	(71)Name of Applicant : 1) <b>The Oxford College of Engineering Bangalore</b> Address of Applicant :Hosur Road, Bangalore, Karnataka- 560068, India. Karnataka India 2) <b>Indian Council of Medical Research (ICMR)</b>
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1) <b>PREETA SHARAN</b>
(33) Name of priority country	:NA	2) <b>ANUP M UPADHYAYA</b>
(86) International Application No	:NA	3) <b>SRUJANA R</b>
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract :		

A Spectacle mounted wireless mouse and keyboard device (100) includes a spectacle frame (102) configured to be worn by the user, the spectacle frame (102) defines a front portion (104) having a plurality of lenses (106) configured to cover eyes of the user, a plurality of temples (108) pivotally coupled to the front portion (104), the temples (108) being configured to extend beyond the ears of the user, and a head band (110) coupled with the temples (108); a processing unit (112) disposed within the spectacle frame (102); an eyewink sensor (114) disposed proximally with the plurality of lenses (106), the eyewink sensor (114) being communicably coupled with the processing unit (112); a head movement sensor (116) disposed proximally with the plurality of temples (108), the head movement sensor (116) being communicably coupled with the processing unit (112); and an audio device (118) disposed within the spectacle frame (102).



No. of Pages : 16 No. of Claims : 13



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201741047023 A

(19) INDIA

(22) Date of filing of Application :28/12/2017

(43) Publication Date : 05/07/2019

(54) Title of the invention : PHOTONIC CRYSTAL BASED PISTON TYPE MICRO PRESSURE SENSOR

(51) International classification	:G01B9/02; G02B6/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1) <b>Dr. Preeta Sharan</b>
(32) Priority Date	:NA	Address of Applicant :Dept. of ECE, The Oxford College of
(33) Name of priority country	:NA	Engineering, Bomanahalli, Bangalore, Karnataka, India-560068
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	2) <b>Mr. Johnson . O V</b> 3) <b>Mr.</b>
(87) International Publication No	: NA	<b>Anup M Upadhyaya</b>
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1) <b>Dr. Preeta Sharan</b>
(62) Divisional to Application Number	:NA	2) <b>Mr. Johnson . O V</b>
Filing Date	:NA	3) <b>Mr. Anup M Upadhyaya</b>

(57) Abstract :

A pressure sensor comprising, a two piston shaped slab structure placed invertedly, this two piston are kept such that there is physical gap between them. Further the micro pressure is applied from top and bottom end. Simulation has been done by FDTD algorithm for getting micro displacement because of applied pressure. Simulation is carried by considering both the configuration i.e., rods in air as well as holes in slab. It is found that for each sub micron displacement starting from 0 to 0.25 micrometer of piston shape slab which is embedded, exhibits wavelength shift of 0.0001 and Q factors of 15897 and 2482 for holes in slab and rods in air configuration respectively. This type of sensor has got tremendous applications in biomedical instrumentation especially in determining the blood pressure of neonatal babies.

No. of Pages : 21 No. of Claims : 8



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201841016408 A

(19) INDIA

(22) Date of filing of Application :01/05/2018

(43) Publication Date : 08/11/2019

(54) Title of the invention : A METHOD, SYSTEM AND APPARATUS FOR DETECTION OF SKIN CANCER

(51) International classification	:G06F19/00	(71)Name of Applicant : 1)NANDHINI VL Address of Applicant :NO. 13, 13 TH CROSS, 4 TH MAIN ROAD, CHINNAPPA GARDEN, BENSON TOWN POST BANGALORE KARNATAKA 560046 INDIA. Karnataka India
(31) Priority Document No	:NA	2)MOUMITA MANNA
(32) Priority Date	:NA	3)K. SURESH BABU
(33) Name of priority country	:NA	4)PREETA SHARAN
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1)NANDHINI VL
(87) International Publication No	: NA	2)MOUMITA MANNA
(61) Patent of Addition to Application Number	:NA	3)K. SURESH BABU
Filing Date	:NA	4)PREETA SHARAN
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

ABSTRACT A sensor 300 for detection of Skin Cancer comprising a transparent supporting substrate 302, a coupling source 304 configured with a thin silicon layer deposited over an upper surface of the transparent supporting substrate to couple a surface plasmon and an incident light, a first conducting layer 303 disposed over an upper surface of the coupling source, an insulator layer 308 deposited hexagonally over an upper surface of the first conducting layer and a second conducting layer 305 disposed over an upper surface of the insulator layer, the second conductive layer defining at least one groove inwardly extending from an upper surface to form an aperture for accumulation of at least one analyte on the insulator layer from a sample taken from body, wherein the sensor detects cancer cells associated with skin of Asian, Caucasian and dark.

No. of Pages : 20 No. of Claims : 8



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53101



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201841038029 A

(19) INDIA

(22) Date of filing of Application :08/10/2018

(43) Publication Date : 09/11/2018

(54) Title of the invention : ULTRASENSITIVE ARRAY OF ACCELEROMETER SENSOR BASED ON OPTICAL NANOCAVITY FOR AUTOMOTIVE APPLICATION

(51) International classification	:B81B3/00; B81C1/00; B82Y99/00;	(71)Name of Applicant : 1) <b>S. SUNDAR</b> Address of Applicant :NO. 13, 13TH CROSS, 4TH MAIN ROAD, CHINNAPPA GARDEN BENSON TOWN POST, BANGALORE, KARNATAKA - 560 046, INDIA. Karnataka India
(31) Priority Document No	:NA	2) <b>PREETA SHARAN</b>
(32) Priority Date	:NA	3) <b>THANGADURAI .N</b>
(33) Name of priority country	:NA	4) <b>K. GOPALAKRISHNA</b>
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	1) <b>S. SUNDAR</b>
(87) International Publication No	: NA	2) <b>PREETA SHARAN</b>
(61) Patent of Addition to Application Number	:NA	3) <b>THANGADURAI .N</b>
Filing Date	:NA	4) <b>K. GOPALAKRISHNA</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

An optical Micro-Electro-Mechanical Systems (MEMS) accelerometer comprising, a photonic crystal having ring resonator structure, a light source to provide an optical illusion and generating a pulse in the ring resonator, an integrated movable object that is sensitive to the generated pulse in the ring resonator, a monitor to determine wavelength of the light caused by the pulse in the ring resonator structure and a mass-spring unit coupled to the integrated movable object, wherein the integrated movable object is positioned in such a way that it displaces for each pulse generated in the ring resonator structure provided that the mass-spring unit determines acceleration based on the displacement of the movable object. The photonic crystal comprises at least one of holes in slab and rods in air configuration. The integrated movable object is of 10 x 12 urn in size and is positioned between an input and drop port of the ring resonator.

No. of Pages : 16 No. of Claims : 7



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941010905 A

(19) INDIA

(22) Date of filing of Application :20/03/2019

(43) Publication Date : 25/09/2020

(54) Title of the invention : PHOTONIC CRYSTAL BASED OPTICAL SENSOR FOR DETECTION OF PESTICIDES IN LIQUID

(51) International classification	:B82Y0020000000, G02B0006122000, G01N0021410000, G01N0021552000, H01S0005120000	(71)Name of Applicant : 1) <b>Harshada Jitendra Patil</b> Address of Applicant : Villa #12, Pushpam Woods. Gudigattanhalli, Near Thindlu, Sarjapura, Bangalore, Karnataka, 562125, India Karnataka India
(31) Priority Document No	:NA	2) <b>Indumathi T. S.</b>
(32) Priority Date	:NA	3) <b>Preeta Sharan</b>
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	1) <b>Harshada Jitendra Patil</b>
Filing Date	:NA	2) <b>Indumathi T. S.</b>
(87) International Publication No	: NA	3) <b>Preeta Sharan</b>
(61) Patent of Addition to Application Number:	NA	

Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

(57) Abstract :

A sensor device 100 for detecting the dissolved substance in a liquid comprising: a two-dimensional photonic crystal periodic (101); a first optical waveguide (110) created in the periodic (101); a second optical waveguide (114); created in the periodic (101) a sensor structure (112) created in the periodic (101) connecting the first and the second optical wave guides; a light source (121) for emitting the light to be incident on the first optical waveguide; and a light detection unit (122) connecting to the second optical waveguide to detect the transmitted spectrum on propagating through the photonic sensor structure; wherein the geometry of the first optical wave guide (110), the second optical wave guide (114) and sensor structure (112) microcavities are tuned to obtain the high-quality factor, with effective change in refractive index of the transmitted spectrum due to change in the dielectric constant in the light path.

No. of Pages : 22 No. of Claims : 8



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The Patent Office Journal No. 39/2020 Dated 25/09/2020

43717



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811032829 A

(19) INDIA

(22) Date of filing of Application :31/08/2018

(43) Publication Date : 14/08/2020

(54) Title of the invention : WIRELESS MOUSE AND KEYBOARD DEVICE FOR HANDICAPPED

<p>(51) International classification :H04R0005033000, G02C0011000000, G02B0027010000, G06F0003035400, A62B0018080000</p> <p>(31) Priority Document No :NA          (32) Priority Date :NA          (33) Name of priority country :NA</p> <p>(86) International Application No :NA          Filing Date :NA</p> <p>(87) International Publication No : NA          (61) Patent of Addition to Application Number:NA</p>	<p>(71)Name of Applicant :          1) <b>The Oxford College of Engineering Bangalore</b>          Address of Applicant :Hosuer Road, Bangalore, Karnataka-          560068, India. Karnataka India          2) <b>Indian Council of Medical Research (ICMR)</b></p> <p>(72)Name of Inventor :          1) <b>PREETA SHARAN</b>          2) <b>ANUP M UPADHYAYA</b>          3) <b>SRUJANA R</b></p>
<p>Filing Date</p> <p>(62) Divisional to Application Number          Filing Date</p> <p>(57) Abstract :</p>	



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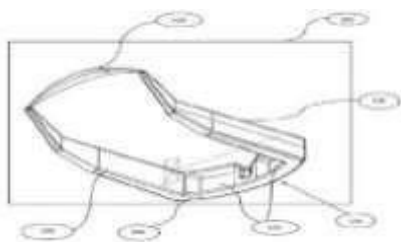
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A Spectacle mounted wireless mouse and keyboard device (100) includes a spectacle frame (102) configured to be worn by the user, the spectacle frame (102) defines a front portion (104) having a plurality of lenses (106) configured to cover eyes of the user, a plurality of temples (108) pivotally coupled to the front portion (104), the temples (108) being configured to extend beyond the ears of the user, and a head band (110) coupled with the temples (108); a processing unit (112) disposed within the spectacle frame (102); an eyewink sensor (114) disposed proximally with the plurality of lenses (106), the eyewink sensor (114) being communicably coupled with the processing unit (112); a head movement sensor (116) disposed proximally with the plurality of temples (108), the head movement sensor (116) being communicably coupled with the processing unit (112); and an audio device (118) disposed within the spectacle frame (102).



No. of Pages : 16 No. of Claims : 13



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.201741047023 A

(19) INDIA

(22) Date of filing of Application :28/12/2017

(43) Publication Date : 05/07/2019

(54) Title of the invention : PHOTONIC CRYSTAL BASED PISTON TYPE MICRO PRESSURE SENSOR

(51) International classification	:G01B9/02; G02B6/00	(71)Name of Applicant :
(31) Priority Document No	:NA	1) <b>Dr. Preeta Sharan</b>
(32) Priority Date	:NA	Address of Applicant :Dept. of ECE, The Oxford College of
(33) Name of priority country	:NA	Engineering, Bomanahalli, Bangalore, Karnataka, India-560068
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	2) <b>Mr. Johnson . O V</b> 3) <b>Mr.</b>
(87) International Publication No	: NA	<b>Anup M Upadhyaya</b>
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1) <b>Dr. Preeta Sharan</b>
(62) Divisional to Application Number	:NA	2) <b>Mr. Johnson . O V</b>
Filing Date	:NA	3) <b>Mr. Anup M Upadhyaya</b>

(57) Abstract :

A pressure sensor comprising, a two piston shaped slab structure placed invertedly, this two piston are kept such that there is physical gap between them. Further the micro pressure is applied from top and bottom end. Simulation has been done by FDTD algorithm for getting micro displacement because of applied pressure. Simulation is carried by considering both the configuration i.e., rods in air as well as holes in slab. It is found that for each sub micron displacement starting from 0 to 0.25 micrometer of piston shape slab which is embedded, exhibits wavelength shift of 0.0001 and Q factors of 15897 and 2482 for holes in slab and rods in air configuration respectively. This type of sensor has got tremendous applications in biomedical instrumentation especially in determining the blood pressure of neonatal babies.

No. of Pages : 21 No. of Claims : 8



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041016069 A

(19) INDIA

(22) Date of filing of Application :14/04/2020

(43) Publication Date : 19/06/2020

(54) Title of the invention : EFFICIENT BANDWIDTH ALLOCATION FOR ROUTING AND RESTORATION IN OPTICAL NETWORKS FOR MULTIMEDIA APPLICATIONS

(51) International classification	:H04J0014020000, H04Q0011000000, H04L0012729000, H04Q0003660000, H04W0040200000	(71) Name of Applicant : <b>1)R.BHARGAVA RAMA GOWD</b> Address of Applicant :6/4/317, 5th Cross, Ramnagar, Anantapur Andhra Pradesh India 515001 Andhra Pradesh India <b>2)S.THENAPPAN</b>
(31) Priority Document No	:NA	<b>3)SRIDHAR N</b>
(32) Priority Date	:NA	<b>4)DHARANI KUMAR CHOWDARY.M</b>
(33) Name of priority country	:NA	<b>5)PREETA SHARAN</b>
(86) International Application No	:NA	(72) Name of Inventor :
Filing Date	:NA	<b>1)R.BHARGAVA RAMA GOWD</b>
(87) International Publication No	: NA	<b>2)S.THENAPPAN</b>
(61) Patent of Addition to Application Number	:NA	<b>3)SRIDHAR N</b>
Filing Date	:NA	<b>4)DHARANI KUMAR CHOWDARY.M</b>
(62) Divisional to Application Number	:NA	<b>5)PREETA SHARAN</b>
Filing Date	:NA	
(57) Abstract :		

Efficient Bandwidth Allocation for Routing and Restoration in Optical Networks for Multimedia Applications. According to an aspect, a method of routing traffic between a source and a destination in a WDM optical fibre network with N number of nodes comprising, determining a free available bandwidth (Wpq) for every link between the nodes, determining a link bandwidth (Lbpq) from the free available bandwidth for every link between the nodes, determining traffic delay computation (TDC) from the link bandwidth for every link between the nodes, scheduling a optimal path among a plurality of paths having lesser TDC, and routing the traffic through the optimal path between the source and the Destination

No. of Pages : 29 No. of Claims : 5



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(19) INDIA

(22) Date of filing of Application :15/02/2020

(43) Publication Date : 13/03/2020

(54) Title of the invention : SMART TRAFFIC CONTROL SYSTEM USING MACHINE LEARNING

(51)  
 International:G08G0001010000,G08G0001070000,G08G0001096700,G08G0001080000,H04M0003360000  
 classification  
 (31) Priority  
 Document :NA  
 No  
 (32) Priority :NA  
 Date  
 (33) Name  
 of priority :NA  
 country  
 (86)  
 International  
 Application :NA  
 No :NA  
 Filing  
 Date  
 (87)  
 International : NA  
 Publication  
 No  
 (61) Patent  
 of Addition  
 to :NA  
 Application :NA  
 Number :NA  
 Filing  
 Date  
 (62)  
 Divisional to  
 Application :NA  
 Number :NA  
 Filing

**Name of Applicant :**  
**1)MEGHANA KARRI**

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(57) Abstract :

Traffic congestion is one of the major modern-day crisis in every city. People are affected due to traffic congestion . Most of the people spend most of their time in travelling. All the metropolitan cities are affected with this problem, to reduce this problem the capital of our country, Delhi has introduced the odd and even number system, but still the city is unable to reduce the traffic problem. Inter metropolitan area studies suggest that traffic congestion reduces regional competitiveness and redistributes economic activity by slowing growth in the county gross output or slowing metropolitan area employment growth. As more and more vehicles are commissioning in an already congested traffic system, there is an urgent need for a whole new traffic control system using advanced technologies to utilize the already existent infrastructures to its full extent. Since building new roads, flyovers, elevated express way etc. needs extensive planning, huge capital and lots of time; focus should be directed upon availing existing infrastructures more efficiently and diligently. Now a day the traffic is controlled by traffic department and default system (Signal Lights). This system is not working as per the requirements of the present situation. The current methods being used are timers or human control in signal lights. Introduction of advanced technology and equipment to improve the state-of the art of traffic control. A system to control the traffic by measuring the real time vehicle density. Edge detection technique is imperative to extract the required traffic information from the CCTV footage/Sensors/Cameras. This technique is very useful to reduce the traffic in the major cities.

No. of Pages : 15 No. of Claims : 3



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(12) P A T E N T A P P L I C A T I O N P U B L I C A T I O N

(21) A p p l i c a t i o n N o .202041036434 A

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(43) P u b l i c a t i o n D a t e

(54) T i t l e o f t h e i n v e n t i o n : L C D S C R E E N C L E A N I N G M A C H I N E

(51) I n t e r n a t i o n a l c l a s s E i 0 1 f B 0 i 0 2 c 7 0 a 6 0 t 0 0 i 0 , o	: G 0 2 F 0 0 0 1 1 3 0 0 0 0 , B 0 8 B 0 0 0 5 0 2 0 0 0 0 , H 0 2 B 0 0 0 1 5 6 0 0 0 0 , B 0 7 B 0 0 0 4 0 2 0 0 0 0	(71) N a m e o f A p p l i c a n t : 1) A C h r i s p i n J i j i n A d d r e s s A p p l i c a n t : A s s i s t a n t P r T h e O x f o r d C o l l e g e o f E 5 n 6 0 g 0 6 i 8 n K a e r n a i n g B a I n d i a (72) N a m e o f I n v e n t o r : 1) A C h r i s p i n J i j i : N A
(31) P r i o r i t y D o c u m e n t N o		
(32) P r i o r i t y D a t e	: N A	
(33) N a m e o f p r i o r i t y c o u n t r y		
(86) I n t e r n a t i o n a l A p p l i : c N a A t i o n N o		
F i l i n g D a t e	: N A	
(87) I n t e r n a t i o n a l P u b l i c a t i o n N o		: N A
(61) P a t e n t o f A d d i t i o n t : N A		
F i l i n g D a t e	: N A	
(62) D i v i s i o n a l t o A p p l i c : N a A t i o n N u m b e r		
F i l i n g D a t e	: N A	
(57) A b s t r a c t :		

A L C D S C R E E N C L E A N I N G M A C H I N E i s p r o v i d e d . T h e c l e a n i n g m a c h i n e i n c l u d e s :  
d i s p l a y p a n e l , a n d a n a i r f l o w m e c h a n i s m d i s p o s e d a b o v e t h e l o a d i n  
d i s p o s e d f a c i n g t o w a r d t h e l o a d i n g p l a t f o r m . A b a f f l e ( s ) i s / a r e d i s p  
f r o m t h e a i r f l o w m e c h a n i s m t h r o u g h t h e v e n t i l a t i o n p o r t s c i r c u l a  
i n t h e c i r c u l a t i o n p r o c e s s .

N o . o f P a g e s : 5 C l a i m s : 4



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The Patent Office Journal No .37/2020 Dated 11/09/202



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041041346 A

(19) INDIA

(22) Date of filing of Application :24/09/2020

(43) Publication Date : 09/10/2020

(54) Title of the invention : A NEW MODEL FOR INVESTIGATION OF MARINE WORLD USING OPTICAL SIMULATION  
EXTENDED DEPTH FIELD PLATFORM

(51) International classification	:G01S17/89	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Mrs.A Chrispin Jiji
(32) Priority Date	:NA	Address of Applicant :Assistant Professor Department of ECE
(33) Name of priority country	:NA	The Oxford College of Engineering Bangalore - 560068
(86) International Application No	:NA	Karnataka India
Filing Date	:NA	2)Dr. Nagaraj Ramrao
(87) International Publication No	: NA	3)Dr. Vivek Maik
(61) Patent of Addition to Application Number	:NA	(72)Name of Inventor :
Filing Date	:NA	1)Mrs.A Chrispin Jiji
(62) Divisional to Application Number	:NA	2)Dr. Nagaraj Ramrao
Filing Date	:NA	3)Dr. Vivek Maik

(57) Abstract :

Underwater imaging plays an important part for exploring and investigating marine world, but frequently undergo severe quality degradation due to optical behaviour of beam in water. It is very important for understanding optical behaviour of imaging schemes under water and need for processing after capture which is main theme explored through proposed work. Existing state-of-the-art approaches for enhancement and restoration of underwater descriptions have several drawbacks and often meant to work with descriptions captured in air medium. To deal with under water images we need to understand and customize the blur degradation or Point Spread Function (PSF) which will then help us achieving better restoration and enhancement results by underwater images. To compute PSF, need more time for estimation and it is very difficult. To perform this, camera is required and this lead be expensive and most importantly the distance among camera and object is limited. In order to overcome these problems, an efficient EDOF platform on CodeV is invented to mimic the imaging conditions. In this invention lenses are in-built, and not essential to buy the camera for analyzing the lens and recovering the scene. Estimation of PSF in CodeV takes less time and inexpensive so the analysis will be efficient and effective. This function can be used for further processing. This invention needs neither expensive optical devices nor composite information about underwater condition. An optical imaging EDOF platform on CodeV to generate a new under water extended depth of field PSF model matrix. PSF generated by CodeV optical imaging software more accurately depicted under water PSF compared to Gaussian or Uniform distribution functions. The new Extended depth PSF model is to give a more reliable, efficient, effective and speedy process than existing technique which uses image transmission theory to analyses and measure blur (PSF), which is slow, time-consuming.

No. of Pages : 13 No. of Claims : 6



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(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111025557 A

(19) INDIA

(22) Date of filing of Application :08/06/2021

(43) Publication Date : 18/06/2021

(54) Title of the invention : WEARABLE HEALTH MONITORING AND CURING DEVICE

(51) International classification	:A61B0005145000, A61B0005000000, A61B0005145500, A61B0005010000, A61B0005020500	(71)Name of Applicant : <b>1)Shri Ramswaroop Memorial University</b> Address of Applicant :Village Hadauri, Post Tindola, Lucknow - Deva Road, Barabanki, Uttar Pradesh 225003, India Uttar Pradesh India <b>2)Dr. Manpreet Singh Manna</b>
(31) Priority Document No	:NA	(72)Name of Inventor : <b>1)Dr. Manpreet Singh Manna</b>
(32) Priority Date	:NA	<b>2)Dr. Preeta Sharan</b>
(33) Name of priority country	:NA	<b>3)Dr. Inderpreet Kaur</b>
(86) International Application No	:NA	<b>4)Archana Yadav</b>
Filing Date	:NA	<b>5)Dr. Anil Kumar</b>
(87) International Publication No	: NA	<b>6)Srujana Ramchandra</b>
(61) Patent of Addition to Application	:NA	<b>7)Dr. Thangadurai N</b>
Number	:NA	<b>8)Dr. Shalini Agarwal</b>
Filing Date	:NA	<b>9)Dr. Reecha Sharma</b>
(62) Divisional to Application Number	:NA	<b>10)Lakshmi Shankar</b>
Filing Date	:NA	

(57) Abstract :

The present invention relates to a wearable health monitoring and curing device comprising, a wearable band that is worn by a user and integrated with bio optical sensor that measures variation in glucose concentration in interstitial fluid (ISF) of intended area, a processing unit linked to the sensor, wherein the unit analysis the discrete changes in the refractive index of the transmitted light in order to obtain data regarding percentage of glucose level, an alert generating module generates notification for user, to alert about level of sugar above a threshold value, an image capturing unit that takes images to determine body language of user and takes surrounding images, medication injector that upon detecting sugar level over critical level injects insulin through the injector in order to control glucose level, a communication module that connect user<sup>TM</sup>s computing unit with processing unit to send health alert and notification to the user.

No. of Pages : 18 No. of Claims : 8



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(51) International classification	:A63B0021000000, A61H0001020000, A63B0023160000, B26B0021520000, A63B0021020000	(71)Name of Applicant : <b>1)Shri Ramswaroop Memorial Group of Professional Colleges</b>
(31) Priority Document No	:NA	Address of Applicant :Tiwari Ganj, Faizabad Road, Lucknow 226028, Uttar Pradesh, India Uttar Pradesh India
(32) Priority Date	:NA	<b>2)Dr. Manpreet Singh Manna</b>
(33) Name of priority country	:NA	(72)Name of Inventor :
(86) International Application No	:NA	<b>1)Dr. Manpreet Singh Manna</b>
Filing Date	:NA	<b>2)Dr. Preeti Saran</b>
(87) International Publication No	: NA	<b>3)Anup M Upadhyaya</b>
(61) Patent of Addition to Application	:NA	<b>4)Dr. Maneesh Srivastava</b>
Number	:NA	<b>5)Dr. Inderpreet Kaur</b>
Filing Date	:NA	<b>6)Dr. Indu Prabha Singh</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

## (57) Abstract :

A hand exercising device, comprising, a body 1 having at least two sides 2, 3 and assembled with a bar 4, wherein the body 1 is held by a user to perform hand exercises, plurality of expandable gauntlets 5 hinged on an electromagnetically linked units 6 for accommodating fingers of the user in order to stretch the bar 4, multiple motorized telescopic rods arranged within the gauntlets 5 for aligning on end of the finger in order to restrict movement of digit(s) other than user-desired digit, plurality of springs 7 interlinked with the bar 4 and electromagnetically linked units 6 for assisting in stretching the bar 4, a detachable thumb holding unit 8 fabricated on the third side 9 for accommodating thumb of the user, a fiber bragg grating sensor 10 for sensing force exerted on the springs 7 and display unit 11 for displaying value of the force exerted.

No. of Pages : 13 No. of Claims : 7