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Date: 05/11/2021

Submitted to the Principal:

DR/AR/Quora 05/11

AR 05/11/2021

(Through Proper Channel)

Sub: JNTUA - ECE - One Day Workshop - TAGV Embedded Solutions Hyderabad- SERB grant - Permission Req. Reg.

No
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Department of ECE would like to organise one day workshop on Design and Development of PCB Layout for IOT Applications: Health Care Monitoring Systems on 9th November 2021 for students and faculty of JNTUACEA.

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05/11

Science and Engineering Research Board (SERB) has sanctioned a project titled "Implementation of IoT Security Solutions for Health Care Monitoring Systems" with a total cost of Rs. 2125520/- (Rs. Twenty One Lakh Twenty Five Thousand Five Hundred and Twenty Only), under Proposed Recurring-III: Scientific Social Responsibility(SSR) Activities an amount of Rs.25000/- sanctioned to conduct workshop for faculty and students to provide awareness on the area of sanctioned project .Hence request to provide permission to organise workshop with a financial support of SERB project fund, in the department of ECE in collaboration with the TAGV Embedded Solutions Hyderabad.

Approximate expenditure of the program

S. No.	Item	Quantity	Amount in Rs
1	Honorarium to speakers	3 Members	4,500/-
2	Hospitality and Accommodation charges to Panel members	3 Members	15,000/-
3	Travelling Allowance to Panel Members	3 Members	5,500/-
Total Amount			25,000/-

The total approximate expenditure of the event is Rs. 25,000/- (Rupees Twenty Five Thousand only). Hence request to grant permission to conduct the program and to use sanctioned amount of Rs. 25000/- from SERB grants.

Thanking you,

Submitted to the Principal:

Yours faithfully,

G. Mamatha

Dr. G. Mamatha

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05/11/2021
HECED

REGISTRAR
J.N.T.U. Anantapur
ANANTAPURAMU-515002

Dated: 14-Nov-2019

ORDER

Subject: Financial Sanction of the research project titled "Implementation of IoT Security Solutions for Health Care Monitoring Systems" under the guidance of Dr. Gannera Mamatha, Electronics and communication engineering, Jawaharlal Nehru Technological University, Off anantapur bangalore road, Anantapur, Andhra pradesh-515002 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 2125520/- (Rs. Twenty One Lakh Twenty Five Thousand Five Hundred and Twenty Only) with break-up of Rs. 544000/- under Capital (Non-recurring) head and Rs. 1581520/- under General (Recurring) head for a duration of 24 months. The items of expenditure for which the total allocation of Rs. 2125520/- has been approved are given below:

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> WiFi routers -> FPGA Development Board -> Healthcare Sensors -> IoT Controllers -> High-end Laptop	544000
A'	Total (Non-Recurring)	544000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies, Other Cost) Recurring - III : Scientific Social Responsibility	803520 550000 35000
2	Recurring - IV : (Overhead Charges)	193000
B'	Total (Recurring)	1581520
C	Total cost of the project (A' + B')	2125520

2. Sanction of the SERB is also accorded to the payment of Rs. 544000/- (Rupees Five Lakh Forty Four Thousand only) under 'Grants for creation of capital assets' and Rs. 811000/- (Rupees Eight Lakh Eleven Thousand only) under 'Grants-in-aid General' to PRINCIPAL, Jawaharlal Nehru Technological University, Off Anantapur Bangalore Road being the first installment of the grant for the year 2019-2020 for implementation of the said research project.

3. The expenditure involved is debitable to Fund for Science & Engineering Research (FSER)
This release is being made under Empowerment and Equity Opportunities for Excellence in Science. (Task force Committee) (SC)

4. The Sanction has been issued to Jawaharlal Nehru Technological University, Off Anantapur Bangalore Road with the approval of the competent authority under delegated powers on 13 November, 2019 and vide Diary No. SERB/F/6593/2019-2020 dated 13 November, 2019

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency

8. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.

9. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

10. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

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11. The release amount of Rs. 1355000/- (Rupees Thirteen Lakh Fifty Five Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	APAN7803
Account Name	PRINCIPAL(By Designation)
Account Number	10428782192
Bank Name & Branch	STATE BANK OF INDIA JNTUEC Branch 2723, Sir Moksha Gunda Visweswaraiiah Road, Ananthapuramu, Andhra Pradesh 515002
IFSC/RTGS Code	SBIN0002723
Email id of A/C Holder	principal.cea@jntua.ac.in
Email id of PI	mamathasashi@gmail.com

12. The institute will furnish to the SERB, New Delhi, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

13. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

14. The project File no. EEQ/2019/000186 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.


15. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project

16. As this is the first grant being released for the project, no previous U/C is required.

17. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

18. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

19. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.



(Dr. Pramod Kumar Prasad)
Scientist C


pk.prasad@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	Dr. Gannera Mamatha Electronics and communication engineering Jawaharlal Nehru Technological University, Off anantapur bangalore road, Anantapur, Andhra pradesh-515002 Email: mamathasashi@gmail.com Mobile: 919490446399 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	PRINCIPAL, Jawaharlal Nehru Technological University, Off Anantapur Bangalore Road (Receipt of Grant may be intimated by name to the undersigned)

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(Dr. Pramod Kumar Prasad)
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Report for Workshop on “Design and Development of PCB Layout for IoT Applications: Health Care Monitoring Systems”

Name of the Event : “Workshop on “Design and Development of PCB Layout for IoT Applications: Health Care Monitoring Systems”

Date : 18th November, 2021

Organized by : Dr. G. Mamatha, Assistant Professor, Department of ECE, JNTUA CEA

Participated Students : 40 members

Venue : Department of ECE, JNTUA CEA, Ananthapuramu

Speakers : Mr. Y. C. H. Abbisu, Director, TAGC Embedded Solutions, Hyderabad

Mr. P. Ravindra Kumar, Technical Consultant, TAGV Embedded Solutions, Hyderabad

Mr. TLN Rao, Delivery Manager, TAGV Embedded Solutions, Hyderabad

Design and Development of PCB

On November 18, 2021, as part of JNTUA university's 75th platinum jubilee celebrations, a one-day workshop on "Design and development of PCB" was held at the ECE department of Jawaharlal Nehru Technological University Anantapur. Dr.G.Mamatha, Co-ordinator of the Skill Development and Incubation Centre, spoke about the role of PCB design in the embedded and IoT industries. TAG V embedded solutions experts T.L.N Rao, Ravi, ChinnaAbbusu demonstrated the process involved in PCB manufacturing and demonstrated how to use ORCAD tool to design PCBs.

Objective :

- To comprehend the significance and function of PCB in electronic devices.
- To have a better understanding of how PCBs are made.
- To learn how to design a PCB with a small footprint.

Outcomes :

- PCB's importance and role are well established.
- Students gained a thorough understanding of how printed circuit boards are created.
- Students learned how to design a small footprint PCB using ORCAD tool.

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Photos:



4
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