



Government College of Technology, Coimbatore-641013

(An Autonomous Institution affiliated to Anna University, Chennai)

SELF-STUDY REPORT

CRITERION 3

Research, Innovations and Extension

Key Indicator: 3.2 Resource Mobilization for Research

3.2.1 Total Grants research funding received by the institution and its faculties through Government and non-government sources such as industry, corporate houses, international bodies for research project, endowment research chairs during the last five years (INR in Lakhs)

DECLARATION

This is to certify that the supporting documents uploaded in Institution website and the respective links are true to the best of my knowledge and belief. All the documents and links are verified and authenticated.

HEAD OF THE INSTITUTION

(Seal and sign of Principal)

Principal

**Government College of Technology
Coimbatore -641 013.**



Government College of Technology, Coimbatore-641013
(An Autonomous Institution affiliated to Anna University, Chennai)

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HEAD OF THE INSTITUTION

(Seal and sign of Principal)

Principal
Government College of Technology
Coimbatore -641 013.

**OFFICE OF THE GOVERNMENT COLLEGE OF TECHNOLOGY,
COIMBATORE**

PRESENT: Dr.P.THAMARAI, Ph.D., PRINCIPAL.

PROCEEDINGS NO: 1458/TEQIP- III/CoE AER/2021

Dt: 31.03.2021

Sub: Technical Education, Government College of Technology, Coimbatore – 13
Payment made towards R & D Project Proposal titled “Study of load pattern and
solution for energy conservation”- CoE AER - Financial Sanction - Accorded -
Reg.

Ref: Principal permission letter Dated : 18.01.2021

As per reference cited above, Sanction is hereby accorded for a sum of
Rs.3,02,964/- (Rupees Three lakh Two Thousand Nine Hundred and Sixty Four Only) being
the payment made to the below firms towards R & D Project Proposal by the EEE student,
Pradeep P (Reg. No. 1973113) titled “Study of load pattern and solution for energy
conservation” under the guidance of Dr.E.LATHA MERCY, Prof & Head/ EEE. The firm details
are as follows:

Sl.No	Name of the Institution	Details of the bill	Amount (Rs.)
1	MS EQUIPMENTS No.3, 4th Cross, Ramasamy Nagar-2 Nallampalayam, Coimbatore – 641 006.	Invoice Bill No : 20 date : 22.02.2021	48439 /
2	PANTECH SOLUTIONS #8 Natarajan Street, Nookampalayam Link Road, Cemmancherry , Omr ,Chennai-600 119	Invoice Bill No : PS-CC3 date : 05.02.2021 Invoice Bill No : PS-CC5 date : 09.02.2021 Invoice Bill No : PS-CC6 date : 09.02.2021 Invoice Bill No : PS-CC17 date : 16.02.2021 Invoice Bill No : PS-CC11 date : 11.02.2021 Invoice Bill No : PS-CC03 date : 09.02.2021 Invoice Bill No : PS-CC15 date : 15.02.2021 Invoice Bill No : PS-CC01 date : 04.02.2021	49796 / 49560 / 48734 / 48734 / 3569 / 4720 / 4867 / 4130 /
3	S&A ENERGIES No.14, Eleongo Nagar Extension, Maniyakarampalayam, Ganapathy, Coimbatore, Tamil Nadu -641006	Invoice Bill No : 009 Date: 16.02.2021	40415 .
		Total	302964 /

Rupees Three Lakh Two Thousand Nine Hundred and Sixty Four only The
expenditure is debitable to the following Head of Account.

2203-00- Technical Education 112 Engineering / Technical colleges and Institute
Schemes in the TWELFTH FIVE YEAR PLAN – VI Schemes shared between State and Centre
UA Technical Education Quality Improvement Programme Phase III.

Sub Head “Research and Development - CoE - AER”

P. Thamarai
31/03/2021
PRINCIPAL

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31/3/21
RU
31/3/21

OFFICE OF THE GOVERNMENT COLLEGE OF TECHNOLOGY,
COIMBATORE

PRESENT: Dr.P.THAMARAI, Ph.D., PRINCIPAL.

PROCEEDINGS NO: 1461/TEQIP- III/CoE AER/2021

Dt: 30.03.2021

Sub: Technical Education, Government College of Technology, Coimbatore – 13
Payment made towards R & D Project Proposal titled “Implementaion of DC-Dc
Multilevel boost converter for pv system”- CoE AER - Financial Sanction -
Accorded - Reg.

Ref: Principal permission letter Dated : 25.01.2021

As per reference cited above, Sanction is hereby accorded for a sum of
Rs.6,335 /- (Rupees Six Thousand and Three Hundred and Thirty Five Only) being the
payment made to **EEE Association** towards R & D Project Proposal by the EEE student,
Gayathri N (Reg. No. 1973103) titled “Implementaion of DC-Dc Multilevel boost converter for
pv system” under the guidance of Dr.E.LATHA MERCY, Prof & Head/ EEE.

The expenditure is debitable to the following Head of Account.

2203-00- Technical Education 112 Engineering / Technical colleges and Institute
Schemes in the TWELFTH FIVE YEAR PLAN – VI Schemes shared between State and Centre
UA Technical Education Quality Improvement Programme Phase III.

Sub Head “Research and Development - CoE - AER”

P. Thamarai
30/03/21
PRINCIPAL

24
30/3/21
30/3

OFFICE OF THE GOVERNMENT COLLEGE OF TECHNOLOGY,
COIMBATORE

PRESENT: Dr.P.THAMARAI, Ph.D., PRINCIPAL.

PROCEEDINGS NO: 1480/TEQIP- III/R & D/2021 Dt: 30 .03.2021

Sub: Technical Education, Government College of Technology,
Coimbatore – 13 Payment towards R & D Project work done by T Venkadesh,
UG ECE under the guidance of Dr. O. Saraniya, Asso. Professor / ECE –
Financial Sanction–Accorded - reg.

Ref: Letter from T Venkadesh (Reg. No.1714316) Dated : 16.03.2021

As per reference cited above, Sanction is hereby accorded for a sum of Rs.12,444/- (Rupees Twelve Thousand four Hundred and forty four Only) being the payment to the ECE Association account (Treasurer ECE ASSN) for the R & D Project Work done by the following student in the title “Automatic floor Sanitizing Robert” under the guidance of Dr. O. Saraniya, Asso. Professor / ECE. The details of the student are as follows:

Sl. No	Student Name	Department	Amount in Rs.
1	T Venkadesh (Reg. No.1714316)	Final Year B.E ECE	12,444

(Rupees Twelve Thousand four hundred and forty four Only)

The expenditure is debitable to the following Head of Account.

2203-00- Technical Education 112 Engineering / Technical colleges and Institute Schemes in the TWELFTH FIVE YEAR PLAN – VI Schemes shared between State and Centre UA Technical Education Quality Improvement Programme Phase III.

Sub Head “Research & Development”.

P. Thamarai
30/03/21
PRINCIPAL

24
30/3/21
30/3/21

**OFFICE OF THE GOVERNMENT COLLEGE OF TECHNOLOGY,
COIMBATORE**

PRESENT: Dr.P.THAMARAI, Ph.D., PRINCIPAL.

PROCEEDINGS NO: 1481/TEQIP- III/R & D/2021 Dt: 30.032021

Sub: Technical Education, Government College of Technology, Coimbatore – 13 Payment towards R & D Project work done by V Dineshkumar M E Env. Engg. under the guidance of Dr. J. Jeyanthi Professor / Civil – Financial Sanction–Accorded - reg.

Ref: Letter from V Dineshkumar (Reg. No.1971204) Dated : 22.02.2021

As per reference cited above, Sanction is hereby accorded for a sum of **Rs.6,000/- (Rupees Six Thousand Only)** being the payment to the IBT Association account (HOD Department of Biotechnology - IBT ASSN) for the R & D Project Work done by the following student in the title "Assessment of heavy metal contents in the ambient air of Coimbatore city "under the guidance of Dr. J. Jeyanthi Professor / Civil. The details of the student are as follows:

Sl. No	Student Name	Department	Invoice No / dated	Amount in Rs.
1	V Dineshkumar (Reg. No.1971204)	M E Environmental Engineering	Invoices No. 249 & 250 Dt:20.02.2021	6,000

(Rupees Six Thousand Only)

The expenditure is debitable to the following Head of Account.

2203-00- Technical Education 112 Engineering / Technical colleges and Institute Schemes in the TWELFTH FIVE YEAR PLAN – VI Schemes shared between State and Centre UA Technical Education Quality Improvement Programme Phase III.

Sub Head "Research & Development".

P. Thamarai
PRINCIPAL 30/03/21

24
30/3

OFFICE OF THE GOVERNMENT COLLEGE OF TECHNOLOGY,
COIMBATORE

PRESENT: Dr.P.THAMARAI, Ph.D., PRINCIPAL.

PROCEEDINGS NO: 1482/TEQIP- III/R & D/2021 Dt: 30 .03.2021

Sub: Technical Education, Government College of Technology, Coimbatore – 13 Payment towards R & D Project work done by Neha P and Batch mates, UG EEE under the guidance of Dr. V. Prasanna Moorthy, Professor / EIE – Financial Sanction–Accorded - reg.

Ref: Principal permission letter dated: 02.12.2019

As per reference cited above, Sanction is hereby accorded for a sum of **Rs.9,115/- (Rupees Nine Thousand one hundred and fifteen Only)** being the payment to Dr. V. Prasanna Moorthy, Professor / EIE for the R & D Project Work done by the following student in the title “Online energy monitoring of EIE block” under the guidance of Dr. V. Prasanna Moorthy, Professor / EIE. The details of the student are as follows:

Sl. No	Student Name	Department	Amount in Rs.
1	Neha P (1713129) Siva (1713143) Sivaraj (1713145)	Final Year B.E EEE	9,115/-

(Rupees Nine Thousand one hundred and fifteen Only)

The expenditure is debitable to the following Head of Account.

2203-00- Technical Education 112 Engineering / Technical colleges and Institute Schemes in the TWELFTH FIVE YEAR PLAN – VI Schemes shared between State and Centre UA Technical Education Quality Improvement Programme Phase III.

Sub Head “Research & Development”.

P. Thamarai
30/03/21
PRINCIPAL

30/03/21
30/03/21

OFFICE OF THE GOVERNMENT COLLEGE OF TECHNOLOGY,
COIMBATORE

PRESENT: Dr.P.THAMARAI, Ph.D., PRINCIPAL.

PROCEEDINGS NO: 1402/TEQIP- III/R & D/2021

Dt:25.03.2021

Sub: Technical Education, Government College of Technology, Coimbatore – 13
Payment towards R & D Project titled “8.4 kW Grid- tied sensor less dual axis
solar panel tracking system”-Department of Electrical and Electronics
Engineering - Financial Sanction – Accorded - reg.

Ref: 1. Principal permission letter dated: 11.09.2020
2. 37th BoG minutes Dated: 13.10.2020

As per reference cited above, Sanction is hereby accorded for a sum of **Rs. 1,51,910**
(Rupees One Lakh Fifty One Thousand Nine Hundred and Ten Only) being the payment
the below firms towards R & D Project titled titled “8.4 kW Grid- tied sensor less dual axis solar
panel tracking system” by Full time Research Scholar P.Immanuel John Samul (Reg.
No.1314369177) under the supervisor, Dr. V. Gopalakrishnan, Professor/EEE. The firm details
are as follows:

Sl. No	Name of the Institution	Details of the bill	Amount (Rs.)
1.	M/s. EL advanced automation, 25 TAUTA Nagar, Vadavalli, Coimbatore 641 041	Invoice No:56 Dated :19.02.2021	43660
		Invoice No:58 Dated :24.02.2021	4498
		Invoice No:57 Dated :22.02.2021	4909
		Invoice No:59 Dated :22.02.2021	4720
2.	M/s. Alpha Systems, 222, Nehru Street, Ram nagar, Coimbatore 641 009	Invoice No:236 Dated:25.02.2021	45489
3.	Max Vision 73-74 Pykara office Road, Tatabad, Coimbatore-12	Invoice No:003 Dated:23.02.2021	48634
TOTAL			151910

(Rupees One Lakh Fifty One Thousand Nine Hundred and Ten Only)

The expenditure is debitible to the following Head of Account.

2203-00- Technical Education 112 Engineering / Technical colleges and Institute Schemes in
the TWELFTH FIVE YEAR PLAN – VI Schemes shared between State and Centre UA
Technical Education Quality Improvement Programme Phase III.

Sub Head “Research and Development CoE- AER”.

P. Thamarai
25/03/21
PRINCIPAL

25/03/21

25/03/21

OFFICE OF THE GOVERNMENT COLLEGE OF TECHNOLOGY,
COIMBATORE

PRESENT: Dr.P.THAMARAI, Ph.D., PRINCIPAL.

PROCEEDINGS NO: 1464/TEQIP- III/CoE AER/2021

Dt: 30.03.2021

Sub: Technical Education, Government College of Technology, Coimbatore – 13
Payment made towards R & D Project Proposal titled “Redesign and re-
fabrication of PMSG based wind energy conversion system and Data logging
system for pernance enchancement”- CoE AER - Financial Sanction - Accorded
- Reg.

Ref: Principal permission letter Dated : 29.01.2021.

As per reference cited above, Sanction is hereby accorded for a sum of
Rs.3,32,220 /- (Rupees Three Lakhs Thirty Two Thousand Two Hundred and Twenty
Only) being the payment made to **Alpha power** towards R & D Project Proposal by the EEE
student, Priyadharshini S (Reg. No. 1973214) titled “Redesign and re-fabrication of PMSG
based wind energy conversion system and Data logging system for pernance enchancement”
under the guidance of Dr.P.MARUTHUPANDI Assistant Professor /EEE.

The expenditure is debitable to the following Head of Account.

2203-00- Technical Education 112 Engineering / Technical colleges and Institute
Schemes in the TWELFTH FIVE YEAR PLAN – VI Schemes shared between State and Centre
UA Technical Education Quality Improvement Programme Phase III.

Sub Head “Research and Development - CoE - AER”

P. Thamarai
30/03/21
PRINCIPAL

24
35/3/21
30/3



தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்
TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY
(Established by Government of Tamil Nadu)
Directorate of Technical Education Campus, Chennai - 600 025
Phone : 044 - 2230 1428 . Web : www.tanscst.nic.in
Telefax : 044 - 2230 1552 E-mail : ms.tanscst@nic.in/enquiry.tanscst@nic.in

DR. R. SRINIVASAN, M.Sc., Ph.D., F.I.C.S., M.A.C.S. (USA).
Member Secretary

29.03.2021

Letter No. TNSCST/STP/ES-01/2019-20/ 3714

To

The Principal
Govt. College of Technology
Coimbatore - 13

Sir/Madam,

Sub: TNSCST - S&T Project on "Production of biodegradable films from rice husk with anti-microbial properties to be used as food packaging material" -Approval -grant release- intimation - Reg.


Ref: Proposal dated 17.03.2020

I am happy to inform you that State Council has approved your above cited research proposal for funding. A copy of the terms and conditions governing the grant is enclosed herewith for your reference. The approved budget for the project entitled "Production of biodegradable films from rice husk with anti-microbial properties to be used as food packaging material" is Rs.2,04,000/- for Two years. Kindly acknowledge your acceptance in a week time for the above budget and details including terms and conditions.

Kindly Find enclosed herewith cheque for first year approved grant of Rs.1,04,000/- (Rupees One lakh and four thousand only). You have to submit a declaration stating that the above cited "project has not receiving any funds from any other funding agency". All communication should be sent through the proper channel.

With best wishes,

Yours faithfully,


29/3/21
Member Secretary

Encl: 1. Cheque for Rs.1,04,000/- No: 691112 dt. 29.03.2021
2. Terms and conditions

Copy to:
Dr. J. Kiruthika
Assistant Professor
Dept. of biotechnology
Govt. College of Technology
Coimbatore - 13



Sector : ENVIRONMENTAL SCIENCES

Title : Production of biodegradable films from rice husk with anti-microbial properties to be used as food packaging material

Investigator : Dr.J.Kiruthika
Assistant Professor
Dept. of biotechnology
Govt. College of Technology
Coimbatore – 13

Recommended Budget Rs. 204000/- for two years

Sl. No.	Head	1 st Year Rs.	2 nd Year Rs.	Total Rs.
1.	Salaries Technical Assistant (one) Rs.5000/- p.m	60000.00	60000.00	120000.00
2.	Chemicals and Glasswares	40000.00	40000.00	80000.00
3.	Testing	4000.00	-	4000.00
Total		104000.00	100000.00	204000.00


29/12/24
MEMBER SECRETARY

