



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH HUMAN RESOURCE
DEVELOPMENT GROUP
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Phone: 0112584107

Symposia Grant Scheme for Organising Scientific Events (Symposia/ Seminars / Conferentes/
workshops, etc. within India

GRANT-IN-AID BILL

(To be filled by the Applicant and submitted in duplicate)

Date: 20.07.2019

To: Head, HRD Group, CSIR Complex, Pusa, New Delhi-110012
Reference CSIR Sanction No: SYM/ 10137/ 19 --HRD

- Name of the Organisation under whose auspices the Scientific Event was organized:
Kongu Engineering College
- Title/Name of the Scientific Event : Micromachining Challenges and Opportunities in Digital Manufacturing
- Venue of the Event (Address) Sri Ramakrishna Paramahansa seminar hall, Department of Mechatronics, Kongu Engineering College, Perundurai -638060

4. Period:

Date	From		Date	To	
	Month	Year		Month	Year
05	07	2019	06	07	2019

- Brief report (highlights) of the Scientific Event (Less than 1000 words- Attach separate sheet)
- (a) Grant Sanctioned: Rs. 38,000 Rupees Thirty Eight Thousand only
(b) Total Actual Expenditure: Rs. 38,000 (Rupees: Thirty Eight Thousand only
(c) Actual expenditure as per Attached Audited Statement of Expenditure for claim from CSIR: Rs. 38,000 (Rupees: Thirty Eight Thousand only)

7. Pl tick mark (✓) the name of the authority to whom the NEFT payment is to be made:

S.No.	Authority	Mark ✓
i.	Director	
ii.	Registrar	
iii.	Dean	
iv.	Finance Officer	
v.	Medical Superintendent	
vi.	Principal	
vii.	Any Other Authority designated by your Organization/Institute (Kindly specify : <u>Kongu Engineering College-Grants</u>)	✓

Note : Grant will be released in the account of Society/Institution/Organization etc only

Certified that the amount claimed in this bill was utilized for the purpose for which it has been sanctioned, and the Audited Statement of Expenditure is enclosed as per requirement.

Organizer:

Signature _____
Name: Dr.R.Parameshwaran
Designation: Professor & Head
Address: Mechatronics Department
Kongu Engineering College, Perundurai
City: Erode State: Tamilnadu Pin: 638060
Mob No. 9865919915
Email ID: parameshwaran76@gmail.com
Seal / Stamp

Dr. R.PARAMESHWARAN
PROFESSOR AND HEAD
DEPARTMENT OF MECHATRONICS ENGINEERING
SCHOOL OF BUILDING AND MECHANICAL SCIENCES
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM (PO)
PERUNDURAI (TK), ERODE - 638 060

Head of the Organisation (Place of Event)

Signature _____
Name: Dr.V.Balusamy
Designation: Principal
Address: Kongu Engineering College,
Perundurai
City: Erode State: Tamilnadu Pin: 638060
Mob No. 9942820583
Email ID: principal@kongu.ac.in
Seal / Stamp

Dr.V.BALUSAMY
PRINCIPAL
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM(PO)
PERUNDURAI (TK) ERODE-638060
TAMILNADU,INDIA

TO BE FILLED BY CSIR-EMR
Budget Head- EMR (Misc.) P81-104

It is certified that no AC /UC is pending from the Organization/institute in connection with earlier such grants released to them.

Pay: Rs. _____ (Rupees _____)
Name of the authority to whom the NEFT payment is to be made: Director/Registrar/
Dean/Medical Superintendent/ Principal/Finance Officer / _____
as per NEFT format enclosed.

Deputy / Under Secretary / DDO

TO BE FILLED BY CSIR-Audit (EMR III)

MBR No. _____ Dated: _____ Pay Rs. _____ (Rupees: _____)

Dealing Assistant

SO (F&A)/F&AO/DyFA

Rs _____ paid vide Cheque No _____ Dated _____ through NEFT/RTGS



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Email: tgsm[at]csirhrdg[dot]res[dot]in

Phone: 0112584107

Symposia Grant Scheme for Organising Scientific Events (Symposia/
Seminars / Conferences/ workshops, etc. within India

AUDITED STATEMENT OF EXPENDITURE To be filled by the applicant in duplicate

Date: 20.07.2019

Reference: CSIR Sanction No: SYM/ 10137 / 19 -HRD

1. Name of the Society / Organisation under whose auspices the Event was organized:

Kongu Engineering College

2. Title/Name of the Event:

Micromachining Challenges and Opportunities in Digital Manufacturing

3. Period:

From			To		
Date	Month	Year	Date	Month	Year
05	07	2019	06	07	2019

4. Grant Sanctioned: Rs. 38,000 (Rupees Thirty Eight Thousand only)

5. Certified that out of Total Expenditure of Rs. 38,000 (Rupees: Thirty Eight Thousand only)
CSIR Grant of Rs. 38,000 Rupees: Thirty Eight Thousand only has been utilized as per the
details given below:

S. No.	Budget Head	Amount (Rs)
i	Travel expenses for c. Senior scientists; d. Young Scientists:	19,105.00
ii	Registration Fee Waiver c. Senior scientists; d. Young Scientists:	
iii	Promotion (web site, brochures, others)	2,345.00
iv	Secretarial assistance	500.00
v	Local Hospitality	11,023.00
vi	Venue Charges	5,027.00
	TOTAL	38,000.00

Certified by: (PLEASE ENSURE ALL SIGNATURES ARE ON THIS PAGE ONLY)

Organizer

Signature

Name:

Dr.R.Parameshwaran

Designation

Professor & Head

Mob No.

9865919915

Email ID

parameshwaran76@gmail.com

Seal / Stamp

Dr. R. PARAMESHWARAN
PROFESSOR AND HEAD
SCHOOL OF BUILDING AND MECHANICAL SCIENCES
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM
PERUNDURAI (TK), ERODE - 638059

Finance Officer/
Chartered Accountant

Signature

Name:

Mr.C.Velumani

Designation

Chartered Accountant

Mob No.

--

Email ID

veltaxes@gmail.com

Seal / Stamp

UPTN/19-2691/AAAAE0346
C. VELUMANI, B.Sc., F.C.A.,
Chartered Accountant
33/1, Annamalai Layout,
Nalli Hospital Road, ERODE - 638 011.
M.No: 026921.

Head of Organisation

Signature

Name

Dr.V.Balusamy

Designation

Principal

Mob No.

9942820583

Email ID

principal@kongu.ac.in

Seal / Stamp

Dr. V. BALUSAMY
PRINCIPAL
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM(PO)
PERUNDURAI (TK) ERODE-638060
TAMILNADU,INDIA

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course for the entire duration. I also under take the responsibility to inform the coordinator in case I am unable to attend the course.

Place :

Date :

Signature of the applicant

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr _____

is an employee of our Institute / Organization and is here by sponsored by us. He/She will be permitted to attend the course, if selected.

Office Seal

Signature of
the sponsoring authority

Place :

Date :

Application form completed in all respects is to be sent to:

Mr.K.SUGANESWARAN

Assistant Professor

Department of Mechatronics Engineer: ig,

Kongu Engineering College,

Perundurai, Erode-638 060, TamilNadu:..

Ph: 9788115198, 9486939041

Tel: 04294 -226720

E-mail : sugan@kongu.ac.in

ABOUT THE COLLEGE

Kongu Engineering College (KEC) established in 1984, approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of "A" and an autonomous institution affiliated to Anna University Chennai, has completed 34 years of dedicated and excellent service in the field of technical education. The college offers 14 UG, 19 PG and 16 research programmes in Engineering and Applied Sciences. It is one of the best self financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. Ranked 2nd Position in Tamilnadu and 26th position in India among Engineering Institutes in India (including IITs and NITs) by CSR Magazine. Ranked 1st Position in Tamilnadu and 39th position at all India level by "Outlook" magazine, 3rd Position in Tamilnadu and 32nd Position in private Engineering colleges in India by "The Week" Magazine. Ranked 99th position among all Engineering Institutions in India including premier institution like IITs, NITs, etc., by NIRF ranking. It has an active Industry-Institute Partnership (IIP) Cell to interact with industries. Received Sustainable Institute Partnership Award consecutively for two years (2014 & 2015) from the Institution in Society for Educational and Entrepreneurship Development, Chennai. It has got NBA accreditation for most of the UG programmes and is an ISO certified institution. It has also got the Best Engineering College award and the Best Principal Award from ISITE. It has established a Technology Business Incubator (TBI) supported by the Department of Science and Technology, Government of India, and won the National Award presented by the President of India on Technology Day in New Delhi. Kongu Engineering College has been awarded as the Most Clean Campus for the Year 2017 by AICTE.

ABOUT THE DEPARTMENT

Department of Mechatronics Engineering accredited by NBA for 3 years, occupies a prominent place in the records of its academic history. The department has liberally been producing efficient engineers with outstanding academic and overall performance. The department has experienced faculty members with different specializations in Mechatronics and Mechanical engineering.

ABOUT THE LOCATION:

The college is situated at Perundurai on the National highway (NH 47) about 80 Kilometers from Coimbatore and 20 Kilometers from Erode. It is well connected by road & rail.

KONGU ENGINEERING COLLEGE

(Autonomous)

PERUNDURAI ERODE, 638060 TAMILNADU



CSIR Sponsored National Seminar
on

“MICROMACHINING -
CHALLENGES AND OPPORTUNITIES
IN DIGITAL MANUFACTURING”

05.07.2019 & 06.07.2019

Organising Secretary

Dr. R.Parameshwaran

Co-ordinators

Dr. V.G.PRATHEEP

Mr.K.SUGANESWARAN



Organized by

Department of Mechatronics Engineering
School of Building and Mechanical
Sciences

KONGU ENGINEERING COLLEGE

Perundurai – 638060 Erode Tamilnada

Tel. : 04294 -226720

Ph. : 9865919915

Website: www.kongu.ac.in

E-mail : hod_mects@kongu.ac.in

INTRODUCTION

In the digital manufacturing era, many industries such as aerospace, automotive, micro electromechanical systems (MEMS), optics, electronics, biotechnology, and communications require manufacturing of small parts having micro scale features. In order to realize miniature components, two groups of micro fabrication techniques have been developed: micro-system technologies (MST, mask-based fabrication of MEMS (micro-electromechanical system) and integrated circuits) and micro-engineering technologies (MET, tool-based micro-machining techniques).

Tool-based micro-fabrication techniques involve scaling-down of conventional machining processes such micro-turning, micro milling and micro-drilling. These processes are known as mechanical micromachining processes. There are other processes, which are based on non-traditional machining technologies such as micro-electrical discharge machining (μ -EDM), laser machining, micro-electro-chemical machining (μ -ECM) or a combination of these processes known as hybrid processes, such as EDM/ECM, ultrasonic assisted EDM (US/EDM), etc.. These techniques have been emerged as a promising technology for the fabrication and realization of miniaturized components from different engineering materials. These processes are environmental friendly and also economically suitable for the fabrication of small batches or single products and prototypes.

This seminar will enlighten the researchers, academicians and industrial organizations with new thoughts on Micromachining and explore the challenges and opportunities in the digital manufacturing era.

COURSE CONTENTS

Micro Fabrication Processes
High Performance Micro Machining through Sensor Integrated Data Analysis
Water Jet Machining
Wire Electric Discharge Grinding of Micro tools
Lasers in Manufacturing
Friction Stir Processing

FACULTY

Sessions will be handled by the experienced academicians from various institutions, universities and Experts from research institutes all over India.

ELIGIBILITY

Researchers, Faculties from Engineering Colleges, Polytechnics, Engineering universities and Candidates from related industries and R&D organization can participate in the seminar.

Accommodation will be provided to selected candidates in the college campus on prior request.

REGISTRATION DETAILS

Free Registration

HOW TO APPLY

The applicants should send their applications in the specified format through their Principals / Sponsors so as to reach us on or before 27.06.2019. If selected they should confirm their participation in time.

SCHEDULED DATES

Last date for receipt of Applications: 28.06.2019

Intimation of selection : 01.07.2019

(Intimated by mail only)

Confirmation by Participants : 03.07.2019

Application form completed in all respects is to be sent to:

The Co-ordinator,
National Seminar on

“MICROMACHINING - CHALLENGES
AND OPPORTUNITIES IN DIGITAL
MANUFACTURING”

Department of Mechanical Engineering,
School of Building & Mechanical Sciences,

Kongu Engineering College,

Perundurai, Erode - 638 060, Tamilnadu.

Mobile: +91-9865919915, 9788115198

KONGU ENGINEERING COLLEGE
(Autonomous)

PERUNDURAI, ERODE - 638060
TAMILNADU

CSIR Sponsored National Seminar
On

“MICROMACHINING -
CHALLENGES AND OPPORTUNITIES
IN DIGITAL MANUFACTURING”

05.07.2019 & 06.07.2019

APPLICATION FORM

Name : _____
Age : _____
Designation : _____
Organization : _____
Address for
Communication : _____
(With telephone no.
& E-mail ID)
Qualification : _____
Experience : _____
Teaching : _____ Years
Research : _____ Years
Accommodation required: Yes / No



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Human Resource Development Group

CSIR Complex, Library Avenue, Pusa, New Delhi 110 012

Tel : 011 2584 1037

Email: tgsm@csirhrdg.res.in, web <http://csirhrdg.res.in>

Hemant Kulkarni
Senior Principal Scientist

Ref No. SYM/10137/19-HRD

May 02, 2019

Dr R Parameshwaran
Professor & Head
Dept. of Mechatronics
Kongu Engineering College, Perundurai
Erode - 638 060 Tamil Nadu 9865919915

SUBJECT: Micromachining Challenges and Opportunities in Digital Manufacturing during Jul 05-06,2019 at Kongu Engineering College, Erode

Dear Dr Parameshwaran

With reference to your application on the above subject, we are happy to inform you that Director General, CSIR has been pleased to sanction a grant of **Rs.38000/- (Rupees Thirty Eight Thousand Only)** subject to the following conditions:

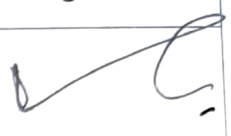


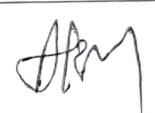
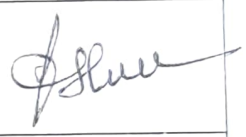
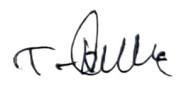


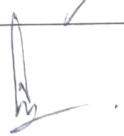
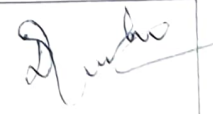

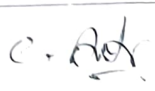
1. The grant received from CSIR should be duly acknowledged by email along with a certificate that the grant would be specifically utilized for the purpose for which it has been sanctioned.
2. The grant may be reimbursed **within three months** from the date of Conference / Seminar/ Workshop etc is over by filling-in the Grant-in-Aid Bill Form in duplicate duly signed and rubber-stamped by the concerned officials, indicating clearly the designation of the official along with **Audited Statement of expenditure** for release of grant (**Current Proforma for Grant-in-aid bill and Audited Statement of expenditure** are available on our website URL http://csirhrdg.res.in/tg_new.htm),If any Utilization Certificates of Previous Grant for symposia (as per Col.No. 16 of the Application Proforma) not submitted till date, please attach copies of Utilization Certificates also. All the pages of above documents should be self attested by the organizer.
3. Invitation cards should be sent to the Director General, CSIR and Head, HRDG. CSIR may nominate three scientists for the above event and registration fee should not be charged from them. In case of nomination, the Head, HRDG or the undersigned would issue a letter with a copy to the nominee(s).
4. Softcopy (preferably in CD/ DVD in PDF format) of the full paper proceedings of above event should be sent to the undersigned.
5. An overall activity report by the Convener / Organizing Secretary should be made available by email to us with regard to outcome of the gathering, the recommendations and plan of action for future. The names, addresses & email IDs of the participants / delegates should also be sent immediately after the event by email.








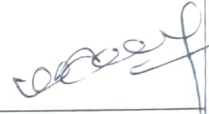

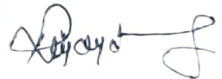




Yours sincerely,

(Hemant Kulkarni)

Copy to: Audit (EMR) HRDG

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE - 638 060
 DEPARTMENT OF MECHATRONICS ENGINEERING
 CSIR SPONSORED NATIONAL SEMINAR ON
**MICROMACHINING - CHALLENGES AND OPPORTUNITIES IN DIGITAL
 MANUFACTURING**
 05.07.2019 & 06.07.2019
REGISTRATION FORM

Sl. No.	Name of the Participant (In Capital Letters)	Name of the Organization with Address	Signature
1.	K. THIYAGARAJAN	ANNAMALAI POLYTECHNIC COLLEGE, CHETTINAD	
2.	K. HEMAPRASAD	T.S. SRINIVASAN CPAT, Chennai - 600095.	
3.	M. MANAPPARAI	T.S. SRINIVASAN POLYTECHNIC COLLEGE & ADVANCED TRAINING CENTRE, CHENNAI - 95	
4.	A. BALASUBRAMANIAN	Kongu POLYTECHNIC (KPC) PERUNDURAI - 60	
5.	A. SHANMUGASUNDARAM	Kongu Polytechnic College, Perundurai - 60	
6.	T. KARSTHIC	Kumaraguru College & Technology, Coimbatore	
7.	Dr. C. V. Mahesh Kumar	Kongu Engineering College, Perundurai	
8.	Dr. K. PRABU	KONGU ENGINEERING COLLEGE (PERUNDURAI)	
9.	(N. MURALIDHARAN) N. Muralidharan	MTS / REC	
10.	Dr. K. Gomathi	MTS / REC	
11.	Dr. P. RAVICHANDRAN	MTS / REC	
12.	A. C. ANBU	MTS / REC	

Sl. No.	Name of the Participant (In Capital Letters)	Name of the Organization with Address	Signature
13.	AJEEHA BABU PERINCHERY	MTS / KEC	
14.	A. Selenmyam	MTS / KEE	
15.	F. TANUJASRI	AP / MTS / KEC	
16.	F. PRAVEEN	AP / MECH / KEC	
17.	A. Saravanan	AP / Mech / KEC	
18.	K. Periasamy	Asst/mech, Kongunadu College of Engg & Tech	
19.	N. SIVA SHANKAR	AP / MECH Kongunadu College of Engg & Tech	
20.	K. ARUNKUMAR	AP / MECH, SREC (SR.G)	
21.	N. SENTHIL KANNAN	AP / MECH, SREC	
22.	R. VIDYU KUMAR	AP / Mech - DR. NGPIT	
23.	M. NIANI	AP / MECH - DR. NGPIT.	
24.	A. Balaji	AP / MTS / KEC	
25.	R. Raja	AP / mech / Vinanmani Engg College	
26.	Dr. Nanthyaathy	Asst MTS / Kongu Engg. college	

No.	Name of the Participant (In Capital Letters)	Name of the Organization with Address	Signature
27.	N. SARAVANAN	A.P Mech KEC	N. Saravanan 5/7/19
28.	M.S VITAVANAND	AP/Mech/ Paavai Engg. College	M.S.V. Vitavanand 5/7/19
29.	M. N. BAASKARAN	AP/Mech KEC	M. N. Baaskaran 5/7/19
30.	R KARTHEK.	AP mech Kanyasulk College of Engineering and Technology	R. Karthek
31.	D. D. JAGADEESH	AP mech "	D. D. Jagadeesh
32.	R. GURASEKARAN	Paavai Engg.	R. Gurasekaran
33.			
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40.			



Estd : 1984

KONGU ENGINEERING COLLEGE

(Autonomous)

Perundurai, Erode - 638 060.

School of Building and Mechanical Sciences



This is to certify that

Dr./Mr./Mrs. _____

has participated in CSIR sponsored two day National Seminar on

**“MICROMACHINING – CHALLENGES AND OPPORTUNITIES
IN DIGITAL MANUFACTURING”**

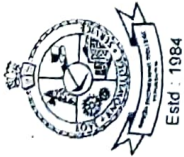
organized by the Department of Mechatronics Engineering

from 05th July to 06th July, 2019

Dr. R. Parameshwaran
Professor and Head / Organizing Secretary
Department of Mechatronics Engineering
Kongu Engineering College

Dr. K. Krishnamurthy
Dean (R & D)
Kongu Engineering College

Prof. S. Kuppuswami
Principal
Kongu Engineering College



CSIR SPONSORED NATIONAL SEMINAR ON
**“MICROMACHINING - CHALLENGES AND OPPORTUNITIES IN
 DIGITAL MANUFACTURING”**



DETAILS OF PROPOSED SESSIONS:

Date & Time	Session I	Session II	Session III
05.07.2019	09.00 AM to 11.00 AM “Micro Fabrication Processes” by Dr. N Balashanmugam, Joint Director, CMTI, Bangalore	11.15 AM to 01.00 PM “High Performance Micro Machining through Sensor Integrated Data Analysis” by Dr.N. Arunachalam, Professor, IITM.	02.00 PM to 04.00 PM “Water Jet Machining” by Dr.K.Sasi Kumar, Associate Professor, KEC
06.07.2019	Session IV “Wire Electric Discharge Grinding of Micro tools ” by Dr.V. Krishnaraj, Professor, PSG Tech. CBE.	Tea Break 11.00 AM to 11.15 AM	Lunch Break 01.00 PM to 02.00 PM
		Session V “Lasers in Manufacturing” by Dr.M. Duraiselvam, Professor, NIT Trichy.	Session VI “Friction Stir Processing” by Mr. K.Suganeswaran, Assistant Professor, KEC.



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Human Resource Development Group
CSIR Complex, Library Avenue, Pusa, New Delhi 110 012
Tel : 011 2584 1037
Email: tgsm@csirhrdg.res.in, web <http://csirhrdg.res.in>

Hemant Kulkarni
Senior Principal Scientist

Ref No. SYM/10440/19-HRD
November 13, 2019

Dr S Shankar
Dept Of Mechatronics Engineering
School of Building and Mechanical Science
Kongu Engineering College, Perundurai, Erode- 638060 TN 9443696035

SUBJECT: Applications Of Artificial Intelligence And Machine Learning For Healthcare Equipment Design during Jan 09-10, 2020 at Kongu Engineering College, Erode

Dear Dr Shankar

With reference to your application on the above subject, we are happy to inform you that Director General, CSIR has been pleased to sanction a grant of **Rs.20000/- (Rupees Twenty Thousand Only)** subject to the following conditions:

1. The grant received from CSIR should be duly acknowledged by email along with a certificate that the grant would be specifically utilized for the purpose for which it has been sanctioned.
2. The grant may be reimbursed within four months from the date of Conference/Seminar/Workshop etc. is over by filling-in the Grant-in-Aid Bill Form in duplicate duly signed and rubber stamped by the concerned officials, indicating clearly the designation of the official along with Audited Statement of Expenditure for release of grant. Current Proforma for Grant-in-aid bill, Audited Statement of Expenditure and NEFT are available on our website URL <http://csirhrdg.res.in/Home/Index/1/InPage/53/14>, If any Utilization Certificates of Previous Grant for symposia (as per Col.No. 15 of the Application Performa) not submitted till date, please attach copies of Utilization Certificates also. Any claim received beyond 4 months will be entertained only in exceptional cases subject to submission of reasons for delay, duly forwarded through Head of the Organisation. In no case, the claim will be entertained after 6 months. All the pages of above documents should be self attested by the organizer.
3. Invitation cards should be sent to the Director General, CSIR and Head, HRDG. CSIR may nominate three scientists for the above event and registration fee should not be charged from them. In case of nomination, the Head, HRDG or the undersigned would issue a letter with a copy to the nominee(s).
4. Softcopy (preferably in CD/ DVD in PDF format) of the full paper proceedings of above event should be sent to the undersigned.
5. An overall activity report by the Convener / Organizing Secretary should be made available by email to us with regard to outcome of the gathering, the recommendations and plan of action for future. The names, addresses & email IDs of the participants / delegates should also be sent immediately after the event by email.

Yours sincerely,

(Hemant Kulkarni)

Copy to: Audit (EMR) HRDG



COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
HUMAN RESOURCE DEVELOPMENT GROUP
CSIR COMPLEX, OPP INSTITUTE OF HOTEL MANAGEMENT
LIBRARY AVENUE, PUSA, NEW DELHI- 110012, INDIA
Email: tgsms[at]csirhrdg[dot]res[dot]in
Phone:0112584107

Symposia Grant Scheme for Organising Scientific Events (Symposia/
Seminars / Conferences/ workshops, etc. within India)

GRANT-IN-AID BILL

(To be filled by the Applicant and submitted in duplicate)

Date: 19.2.2020

Reference: Head, HRD Group, CSIR Complex, Pusa, New Delhi-110012
CSIR Sanction No: SYM/10440/19--HRD

Name of the Organisation under whose auspices the Scientific Event was organized:
Kongu Engineering College

Title/Name of the Scientific Event : Applications of Artificial Intelligence And Machine Learning
For Healthcare Equipment Design

Venue of the Event (Address) Sri Ramakrishna Paramahansar Seminar hall

Period:

From			To		
Date	Month	Year	Date	Month	Year
09	01	2020	10	01	2020

Brief report (highlights) of the Scientific Event (Less than 1000 words- Attach separate sheet)

- (a) Grant Sanctioned: Rs. 20000 (Rupees Twenty Thousand only)
(b) Total Actual Expenditure: Rs. 20000 (Rupees Twenty Thousand)
(c) **Actual expenditure** as per Attached Audited Statement of Expenditure for claim from
CSIR: Rs. 20000 (Rupees Twenty Thousand)

Pl tick mark (✓) the name of the authority to whom the NEFT payment is to be made:

S.No.	Authority	Mark ✓
i.	Director	
i.	Registrar	
	Dean	
	Finance Officer	
	Medical Superintendent	
	Principal	
	Any Other Authority designated by your Organization/Institute (<u>Kongu Engineering College Grants</u>)	✓

will be released in the account of Society/Institution/Organization etc only

Number:

Signature Shankar 19/12

Name: Dr.S.Shankar

Designation: Associate Professor

Address: Kongu Engineering College

Erode State: Tamilnadu Pin: 638060

No. 9443696035

Email ID: Shankar@kongu.ac.in

Stamp **Dr.S.SHANKAR M.E., Ph.D (IITM)**

Associate Professor,
Department: Of Mechatronics Engineering

Kongu Engineering College,
Perundurai, Erode - 638060

Head of the Organisation (Place of Event)

Signature [Signature]

Name: Dr.V.Balusamy, B.E(Hons), MTech, P

Designation: Professor

Address: Kongu Engineering College

City: Erode State: Tamilnadu Pin: 638060

Mob No. 9942820583

Email ID principal@kongu.ac.in

Seal / Stamp

Dr.V.BALUSAMY
PRINCIPAL
KONGU ENGINEERING COLLEGE
THOPPUPALAYAM(PO)
PERUNDURAI (TK) ERODE-638060
TAMILNADU, INDIA

19/12/20

TO BE FILLED BY CSIR-EMR

Budget Head- **EMR (Misc.) P81-104**

certified that no AC /UC is pending from the Organization/institute in connection with earlier grants released to them.

Rs: _____ (Rupees _____)

Name of the authority to whom the NEFT payment is to be made: Director/Registrar/Principal/Medical Superintendent/ Principal/Finance Officer / _____

NEFT format enclosed.

Deputy/Under Secretary /DDO

TO BE FILLED BY CSIR-Audit (EMR III)

No. _____ Dated: _____ Pay Rs. _____ (Rupees: _____)

SO (F&A)/F&AO/DyF

Accounting Assistant

_____ paid vide Cheque No _____ Dated _____ through NEFT/RTGS



Annexure 4

Form-CSIR/SYM/19/SE

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
HUMAN RESOURCE DEVELOPMENT GROUP
CSIR COMPLEX, OPP INSTITUTE OF HOTEL MANAGEMENT
LIBRARY AVENUE, PUSA, NEW DELHI- 110012, INDIA

Email: tgsm[at]csirhrdg[dot]res[dot]in
Phone:0112584107

Symposia Grant Scheme for Organising Scientific Events (Symposia/
Seminars / Conferences/ workshops, etc. within India

DECLARATION STATEMENT OF EXPENDITURE To be filled by the applicant in duplicate

CSIR Sanction No: SYM/10440/19-HRD

Date: 19.2.2020

Name of the Society / Organisation under whose auspices the Event was organized:

Kongu Engineering College

Name of the Event: Applications of Artificial Intelligence And Machine Learning
Healthcare Equipment Design

Date	From		To		
	Month	Year	Date	Month	Year
19/02/20	01	2020	10	01	2020

Sanctioned: Rs. 20000 (Rupees Twenty Thousand)

and that out of Total Expenditure of Rs.20000 (Rupees Twenty Thousand)

of Rs. 20000 (Rupees Twenty Thousand) has been utilized as per the details given

Budget Head	Amount (Rs)
Travel expenses for c. Senior scientists: d. Young Scientists:	7000
Registration Fee Waiver c. Senior scientists: d. Young Scientists:	-
Promotion (web site, brochures, others)	1875
Secretarial assistance	500
Local Hospitality	10625
Venue Charges	-
TOTAL	20000

NOTE: (PL ENSURE ALL SIGNATURES ARE ON THIS PAGE ONLY)

Signature of Finance Officer/
Chartered Accountant

Signature: [Signature]
Name: Mr.C.Velumani
UDIN: 20026921 AAAABI 764519120

Signature of Head of Organisation

Signature: [Signature]
Name: Dr.V.Balusamy B.E(Hons),
MTech, PhD.,
Designation: Professor

S.S.Shankar

Mob No

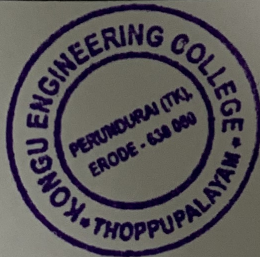
NATIONAL ELECTRONIC FUND TRANSFER (NEFT) FORMAT

Account Holders Name/Name of the Beneficiary	Kongu Engineering College - Grants		
Bank Account Number	124715500001832		
Name of the Bank	The Karur Vysya Bank Ltd.,		
Branch Address	K.E.C Nagar Branch, Perundurai,		
Branch Code	Erode Dt-638 060, Tamilnadu, India.		
Account type/Nature of Account (Pl tick <input checked="" type="checkbox"/> mark)	1247		
IFSC Code of the Bank	<input checked="" type="checkbox"/> Saving	<input type="checkbox"/> Current	<input type="checkbox"/> Overdraft
MICR Number	KVBL0001247		
Mobile No. of the Candidate	638053006		
Email id of the Candidate	9942820583		
	principal@kongu.ac.in		

Certified by (Bank)

Signature of the Principal

Signature: Dr.V.Balusamy,
(Hons), MTech, PhD.,



Signature of the Bank Official

Name: MEENASHRI.B

Date: 29/2/20

Seal



TO BE FILLED BY CSIR

Information: CSIR SYM
to be used by Bank while transferring the Payment/Grant)

Deputy/Under Secretary/DDO



**CSIR SPONSORED NATIONAL SEMINAR ON
"APPLICATIONS OF ARTIFICIAL INTELLIGENCE AND MACHINE
LEARNING FOR HEALTHCARE EQUIPMENT DESIGN"**



DETAILS OF PROPOSED SESSIONS:

Date & Time	Session I		Session II		Session III		Session IV	
	09.01.2020	09.30 AM to 10.45 AM	"Machine Learning Applications in Healthcare Devices" by Dr. N. Shanthi, Professor, KEC	11.00 AM to 01.00 PM	"Foundational Concepts in Machine learning and Deep learning" by Dr. R. Thangarajan, Professor, KEC.	02.00 PM to 03.15 PM	"ECG signal classification using Deep Neural Network" by Dr. P. Natesan, Professor, KEC.	03.30 PM to 04.30 PM
01.01.2020	Session V		Session VI		Session VII		Session VIII	
	"Designing Machine Learning Assisted Medical Diagnostic System" by Dr. C. S. Kanimozhi Selvi, Professor, KEC		"Emerging applications of Deep Learning in Medical Imaging" by Dr. R. Devi Priya, Associate Professor, KEC.		"Fundamentals of Artificial Intelligence" Dr. S. Albert Alexander Associate Professor, KEC		"Implementation of AI techniques using MATLAB (case study)" Dr. S. Albert Alexander Associate Professor, KEC	
		Tea Break 10.45 AM to 11.00 AM		Lunch Break 01.00 PM to 02.00 PM		Tea Break 3.30 PM to 3.45 PM		



KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE – 638 060
(AUTONOMOUS)

DEPARTMENT OF MECHATRONICS ENGINEERING
CSIR Sponsored - Two Days
National Seminar



on
"APPLICATIONS OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING FOR
HEALTHCARE EQUIPMENT DESIGN"

Attendance Sheet

Sl. No.	Name of the Participant	09.01.2020		10.01.2020	
		FN	AN	FN	AN
1.	C.Anandhakumar	<i>C. Anandhakumar</i> 9/1/2020	<i>C. Anandhakumar</i> 11/1/2020	<i>C. Anandhakumar</i> 10/1/2020	<i>C. Anandhakumar</i> 10/1/2020
2. ✓	P.Yuvarani	<i>P. Yuvarani</i> 9/1/2020	<i>P. Yuvarani</i> 11/1/2020	<i>P. Yuvarani</i> 10/1/2020	<i>P. Yuvarani</i> 10/1/2020
3. ✓	S.Kiruthika	<i>S. Kiruthika</i> 9/1/2020	<i>S. Kiruthika</i> 11/1/2020	<i>S. Kiruthika</i> 10/1/2020	<i>S. Kiruthika</i> 10/1/2020
4. ✓	V.Parameashwari	<i>V. Parameashwari</i> 9/1/2020	<i>V. Parameashwari</i> 11/1/2020	<i>V. Parameashwari</i> 10/1/2020	<i>V. Parameashwari</i> 10/1/2020
5. ✓	K.K.Sangeetha	<i>K.K. Sangeetha</i> 9/1/2020	<i>K.K. Sangeetha</i> 11/1/2020	<i>K.K. Sangeetha</i> 10/1/2020	<i>K.K. Sangeetha</i> 10/1/2020
6.	K.Sethu	<i>K. Sethu</i> 9/1/2020	<i>K. Sethu</i> 11/1/2020	<i>K. Sethu</i> 10/1/2020	<i>K. Sethu</i> 10/1/2020
7.	S.Naveenkumar	<i>S. Naveenkumar</i> 9/1/2020	<i>S. Naveenkumar</i> 11/1/2020	<i>S. Naveenkumar</i> 10/1/2020	<i>S. Naveenkumar</i> 10/1/2020
8.	S.Vigneshwaran	<i>S. Vigneshwaran</i> 9/1/2020	<i>S. Vigneshwaran</i> 11/1/2020	<i>S. Vigneshwaran</i> 10/1/2020	<i>S. Vigneshwaran</i> 10/1/2020
9.	S.Aathilakshmi	<i>S. Aathilakshmi</i> 9/1/2020	<i>S. Aathilakshmi</i> 11/1/2020	<i>S. Aathilakshmi</i> 10/1/2020	<i>S. Aathilakshmi</i> 10/1/2020
10. ✓	T.Abirami	<i>T. Abirami</i> 9/1/2020	<i>T. Abirami</i> 11/1/2020	<i>T. Abirami</i> 10/1/2020	<i>T. Abirami</i> 10/1/2020
11. ✓	S.Jothimani	<i>S. Jothimani</i> 9/1/2020	<i>S. Jothimani</i> 11/1/2020	<i>S. Jothimani</i> 10/1/2020	<i>S. Jothimani</i> 10/1/2020
12. ✓	A.Suganya	<i>A. Suganya</i> 9/1/2020	<i>A. Suganya</i> 11/1/2020	<i>A. Suganya</i> 10/1/2020	<i>A. Suganya</i> 10/1/2020

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course for the entire duration. I also under take the responsibility to inform the coordinator in case I am unable to attend the course.

Place :

Date :

Signature of the applicant

SPONSORSHIP CERTIFICATE

Mr/Ms/Dr _____

_____ is an employee of our Institute / Organization and is here by sponsored by us. He/She will be permitted to attend the course, if selected.

Office Seal

Signature of
the sponsoring authority

Place :

Date :

Application form completed in all respects is to be sent to:

Dr.S.Shankar

Convener,

CSIR Sponsored National seminar on
"APPLICATIONS OF ARTIFICIAL
INTELLIGENCE AND MACHINE LEARNING IN
HEALTHCARE EQUIPMENT DESIGN"

Department of Mechatronics Engineering,
Kongu Engineering College,
Perundurai, Erode-638 060, TamilNadu.

ABOUT THE COLLEGE

Kongu Engineering College established in 1984, approved by AICTE, New Delhi, accredited by NAAC for 5 years with the grade of "A" and an autonomous institution affiliated to Anna University Chennai, has completed 35 years of dedicated and excellent service in the field of technical education. The college offers 14 UG, 19 PG and 16 research programmes in Engineering and Applied Sciences. It is one of the best self financing engineering colleges imparting high quality technical education in Tamil Nadu, India, and is well-known for its technical excellence, modern facilities, record of performance with excellent results and enterprising students. Ranked 42nd position at all India level by "Outlook" magazine, 3rd Position in Tamilnadu and 29th Position in private Engineering colleges in India by "The Week" Magazine. Ranked 99th position in Engineering colleges in India by NIRF ranking. It has an active Industry-Institute Partnership (IIP) Cell to interact with industries. Received Sustainable Institute Industry Partnership Award consecutively for two years (2014 & 2015) from the Institution in Society for Educational and Entrepreneurship Development, Chennai. It has got NBA accreditation for most of the UG programmes and is an ISO certified institution. It has also got the Best Engineering College award and the Best Principal Award from ISTE. It has established a Technology Business Incubator (TBI) supported by the Department of Science and Technology, Government of India, and won the National Award presented by the President of India on Technology Day in New Delhi. Its Entrepreneurship Management Development Cell won Best E-Cell, Entrepreneurship Eco System Builder Award 2015 from Ministry of Skill Development and Entrepreneurship at New Delhi, India.

ABOUT THE DEPARTMENT

Department of Mechatronics Engineering accredited by NBA for 3 years, occupies a prominent place in the records of its academic history. The department has liberally been producing efficient engineers with outstanding academic and overall performance. The department has experienced faculty members with different specialization in Mechatronics and Mechanical engineering.

ABOUT THE LOCATION

The college is situated at Perundurai on the National highway (NH 47) about 80 Kilometers from Coimbatore and 20 Kilometers from Erode. It is well connected by road & rail.

KONGU ENGINEERING COLLEGE

(Autonomous)

PERUNDURAI ERODE 638060 TAMILNADU



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on

"APPLICATIONS OF ARTIFICIAL
INTELLIGENCE AND MACHINE LEARNING
IN HEALTHCARE EQUIPMENT DESIGN"

09.01.2020 & 10.01.2020

Convener

Dr.S.SHANKAR

Co-ordinator

Mr.S.K.THANGARASU

Mr.R.NITHYAPRAKASH



Estd : 1984

Organized by



Department of Mechatronics Engineering
School of Building and Mechanical
Sciences

KONGU ENGINEERING COLLEGE

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E-mail : shankar@kongu.ac.in