

B.N.M. Institute of Technology

An Autonomous Institution under VTU
Department of Mechanical Engineering

Centre of Excellence: TOYOTA COE

Company Name: Toyota Kirloskar Motors Pvt. Ltd.,

SPOC Name: Dr. Thirumaleshwara Bhat

Date of MoU Signed: 12-01-2018

Objectives of MOU

As part of The Company's Corporate Social Responsibility, it has undertaken the initiative of donating used engines and transmissions to Educational Institutes for the purpose of educational study and research.

WHEREAS, BNMIT accepts the donation made by The Company in good faith. Now, The Parties wish to enter into a Memorandum of Understanding (hereinafter referred to as MOU) to record the terms and conditions of the said engagement.

- **ARTICLES DONATED** — The Company will donate used engines, transmissions and such other used automobile parts (hereinafter referred to as the Articles) as may be useful for the education and study of the students of The Second Party. The articles donated are more fully described in ANNEXURE – A (Asset List).
- **USE OF ARTICLES** — The Second Party shall provide the Articles to its students and research personnel who will use the Articles to carry out research, study the working of the Article(s), understand the science and technology of the Articles and for such other educational purposes as may be required. Second Party shall refer to any purpose that provides and/or enhances the knowledge, skill and understanding of students pertaining to their field of study and does not include in any manner, any commercial transaction on the Articles whether it is sale or rent of the Article with the motive of earning profits.

Activities organized

- Training to students on Assembling and dismantling of engine and transmission system
Internship opportunity.

Sl.No.	Academic Year	Category	Number of students/teams	Details	Date/Duration	Status
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Dept. of M.E.

1	2024-25	Internship	Suman G B T (1BG21ME020)	Auto spot Units Drawing & 3D Modelling	03/10/24 to 03/01/25	Successfully completed internship
2	2023-24	Internship	Amarnatha H M (1BG20ME002)	Fabrication Process and quality control of welded structural components	3 months	Successfully completed internship
3			Bhuvan Hiremath R (1BG20ME004)	Auto spot Units Drawing & 3D Modelling		Successfully completed internship
4			Jananavardhini K (1BG20ME007)	Supply chain management		Successfully completed internship
5			Lohit Kishen R (1BG20ME009)	Auto spot Units Drawing & 3D Modelling		Successfully completed internship
6			Mohith K G (1BG20ME015)	Fabrication Process and quality control of welded structural components		Successfully completed internship
7			Nikhil S (1BG20ME017)	Supply chain management		Successfully completed internship
			Prajwal L Gowda (1BG20ME019)	Fabrication Process and quality control of welded structural components		Successfully completed internship

List of Equipment's in BNMIT-Toyota CoE

Annexure A — (Assert list with Part Numbers)

Part No	Part Name
312100K03000	COVER ASSY, CLUTCH
312500K04000	DISC ASSY, CLUTCH
162820L02000	HOSE, WATER BYPASS, NO.5
330197107000	BREATHER SUBASSY, TRANSMISSION
163610L02000	FAN
884200K11000	PULLEY ASSY, IDLE W/BACKET
125110L01000	BRACKET, ALTERNATOR
232710L06000	HOSE, FUEL, NO.1
884400K05000	PULLEY ASSY, IDLE

886880K13000	BRACKET, COOLER
314700K02000	CYLINDER ASSY, CLUTCH RELEASE
125840L01000	INSULATOR, CYLINDER BLOCK, NO.4
331190K02000	PLATE, STIFFENER, LH
123710C08100	INSULATOR, ENGINE MOUNTING, RR
872450K10000	HOSE, WATER
113560L04000	PLATE, RR END, NO.2
90119T022600	BOLT, W/WASHER
821210KN0100	WIRE, ENGINE
270600L25100	ALTERNATOR ASSY, W/REGULATOR
334803522100	GEAR ASSY, SPEEDOMETER DRIVEN W/SENSOR
443100K02000	PUMP ASSY, VANE
821220K20000	WIRE, ENGINE, NO.2
883100K21000	COMPRESSOR ASSY, W/MAGNET CLUTCH
90464T000900	CLAMP
90916T200600	BELT, VRIBBED
174510L01000	GASKET, EXHAUST PIPE
883100K69000	COMPRESSOR ASSY, W/MAGNET CLUTCH
887110K14000	HOSE, DISCHARGE
90916T200500	BELT, VRIBBED
331460401000	DEFLECTOR, EXTENSION HOUSING DUST
887110K15000	HOSE, DISCHARGE
887110K15100	HOSE, DISCHARGE
174010L06000	PIPE SUB-ASSY, EXHAUST, FR
Engine and Transmission	

Part No	Part Name
120000L47000	ENGINE ASSY, W/CLUTCH
120000L46000	ENGINE ASSY, W/CLUTCH
120000L60100	ENGINE ASSY, W/CLUTCH
330300K61000	TRANSMISSION UNIT ASSY
350107129000	TRANSMISSION ASSY, W/TORQUE CONVERTER
361007111100	TRANSFER ASSY



BNMIT-Toyota CoE with Cut section of four stroke diesel engine (INNOVA) Cut section of four stroke diesel engine (FORTUNER 4WD)



Participants visiting the BNMIT-Toyota CoE as part of the Field/Exposure Visit to Incubation Units, Patent Facilitation, and Technology Transfer Centers

B.N.M. Institute of Technology

An Autonomous Institution under VTU, Approved by AICTE

Centre of Excellence at BNMIT in Association with Toyota Kirloskar Motor Pvt. Ltd.

Introduction:

The Toyota Centre of Excellence was established at BNMIT to provide students with hands-on training in automotive engineering, focusing on the assembly, disassembly, and analysis of Toyota car engines and transmission systems. This initiative aims to bridge the gap between theoretical knowledge and practical skills, preparing students for careers in the automotive industry.

Objectives:

To provide students with practical experience in automotive engineering.

To enhance students' understanding of the design and functionality of Toyota car engines and transmission systems.

To develop students' skills in engine assembly, disassembly, and troubleshooting.



Activities:

Cut Section of Car Engine: A cut section of a Toyota car engine has been installed at the Toyota Centre of Excellence. This allows students to observe the internal components and mechanisms of the engine, gaining insight into its operation and design principles.

Engine Assembly and Disassembly Workshops: Regular workshops are conducted where students learn to assemble and disassemble Toyota car engines under the guidance of experienced instructors. These hands-on sessions provide practical experience in engine maintenance, repair, and overhaul procedures.

Outcomes:

Enhanced Practical Skills: Students develop proficiency in engine assembly, disassembly, and transmission system analysis, preparing them for careers in automotive engineering.

Research Opportunities: The Centre of Excellence provides a platform for collaborative research projects between BNMIT faculty and Toyota engineers, fostering innovation in automotive technology.

Career Opportunities: Graduates with training from the Toyota Centre of Excellence are well-equipped to pursue careers in automotive manufacturing, service, and research sectors.



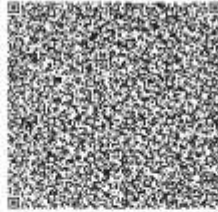


सत्यमेव जयते

INDIA NON JUDICIAL Government of Karnataka

e-Stamp

Certificate No.	: IN-KA70821049135767Q
Certificate Issued Date	: 12-Jan-2018 01:03 PM
Account Reference	: NONACC (FI)/ kacrsf108/ BIDADI3/ KA-RM
Unique Doc. Reference	: SUBIN-KAKACRSFL0892588533853363Q
Purchased by	: Toyota Kirloskar Motor Pvt Ltd
Description of Document	: Article 12 Bond
Description	: Agreement
Consideration Price (Rs.)	: 0 (Zero)
First Party	: Toyota Kirloskar Motor Pvt Ltd
Second Party	: BNM Institution of technology
Stamp Duty Paid By	: Toyota Kirloskar Motor Pvt Ltd
Stamp Duty Amount(Rs.)	: 200 (Two Hundred only)



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MEMORANDUM OF UNDERSTANDING

This MEMORANDUM OF UNDERSTANDING is made on this 22th day of January, 2018 at Bidadi Industrial Area, Bidadi, Karnataka.



Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at "www.sholestamp.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

Between:

TOYOTA KIRLOSKAR MOTOR PRIVATE LIMITED, a Company incorporated under The Companies Act, 1956, engaged in the business of manufacture and sale of automobiles, having its registered office at plot No.1, Bidadi Industrial Area, Ramanagar District, Pin: 562109, Karnataka, India, hereinafter referred to as *The Company* which term shall mean and include its Affiliates, Officers, Agents, Permitted Successors and Assigns.

And

BNM INSTITUTE OF TECHNOLOGY, an Educational Institute established by the Trust 'BNM charities' under the Indian Trust Act 1882, engaged in the education of Engineering and Management, having its registered office at 12th main, 27th cross, Banashankari 2nd stage, Bangalore, Pin:560070, Karnataka, India represented by its Principal, Dr. Krishnamurthy G N, hereinafter referred to as *The Second Party* which term shall mean and include its Affiliates, Officers, Agents, Permitted Successors and Assigns.

Together referred to as Parties.

WHEREAS, The Company manufactures automobiles, spare parts for automobiles and assembles them into vehicles in its manufacturing plant at the abovementioned address. Further, as part of The Company's Corporate Social Responsibility, it has undertaken the initiative of donating used engines and transmissions to Educational Institutes for the purpose of educational study and research; Second Party being one of them.

WHEREAS, The Second Party accepts the donation made by The Company in good faith. Now, The Parties wish to enter into a Memorandum of Understanding (hereinafter referred to as MOU) to record the terms and conditions of the said engagement.

NOW THIS MOU WITNESSETH AS FOLLOWS:

1. ARTICLES DONATED

The Company will donate used engines, transmissions and such other used automobile parts (hereinafter referred to as Articles) as may be useful for the education and study of the students of The Second Party. The articles donated are morefully described in ANNEXURE – A (Assert List).

2. USE OF ARTICLES

The Second Party shall provide the Articles to its students and research personnel who will use the Articles to carry out research, study the working of the Articles, understand the science and technology of the Articles and for such other educational purposes as may be required. Educational Purpose shall refer to any purpose that provides and/or enhances the knowledge, skill and understanding of students pertaining to their field of study and does not include in any manner, any commercial transaction on the Articles whether it is sale or rent of the Article with the motive of earning profits.



3. TERMS OF DONATION

The terms of Donation are as under:

- i. The Articles shall be used by the Second Party, including its employees, staff, teachers and students only for educational purpose as described above;
- ii. The Second Party shall ensure that the Articles are not used for any commercial purpose whatsoever;
- iii. The Second Party will ensure no misuse of the Articles is caused of any kind either by itself or its students;
- iv. The Articles shall be used by The Second Party for the purpose and on the terms laid down by The Company;
- v. The Articles shall be included by The Second Party in its list of Assets owned;
- vi. The Company reserves the right to make unannounced inspections and/or visits at/to the office and/or campus of The Second Party, in relation to the use of the Articles by The Second Party;
- vii. In the event of The Second Party wanting to dispose of the Articles, it shall obtain written authorization by The Company before such disposal.
- viii. The Second party shall comply with all applicable laws while disposing/scrapping the articles/engines.
- ix. The Second party shall dispose the material only to an authorized recycler authorized by concerned authority.
- x. Any issue/ claim raised by any/ all person(s)/ third party, during or post disposal of scrap/ vehicle shall be the responsibility of The Second Party only.

4. VALIDITY AND TERMINATION

- i. This MOU may be terminated by the mutual agreement, in writing, of both the Parties, on terms decided mutually by both the Parties.
- ii. This MOU may be terminated by The Company, at its sole discretion, without notice, if The Second Party is found to be in violation of any of the terms of this MOU. Such termination may, at the sole discretion of The Company which will result in withdrawing the Articles from The Second Party.
- iii. This MOU shall automatically be terminated upon the disposal of the Articles by The Second Party with the written authorization of The Company.

5. NOTICE

All notices, requests, demands or other communications required or permitted by the terms of this MOU will be given in writing and delivered to the Parties of this MOU.

6. INDEMINIFICATION

Second Party agrees to indemnify and hold harmless the Company, and its respective Affiliates, Directors, Officers, Agents, and Permitted Successors and Assigns against any and all claims, losses, damages, liabilities, penalties, punitive damages, expenses, entire legal fees and costs of any kind or amount whatsoever, which result from or arise out of any act or omission of the



Second party, its respective Affiliates, Officers, Agents, and Permitted Successors and Assigns that occurs in connection with this MOU. This indemnification will survive the termination of this MOU.

7. DISPUTE RESOLUTION

- i. If any dispute, controversy or claim between the Parties arises out of or in connection with this MOU, including the breach, termination or invalidity thereof, the Parties shall use all reasonable endeavours to negotiate, with a view to resolving the Dispute amicably. If a Party gives the other Party notice that a Dispute has arisen and the Parties are unable to resolve the Dispute amicably within 15 (fifteen) days of service of the Dispute Notice (or such longer period as the Parties may mutually agree), then the Dispute shall be referred to arbitration in accordance with law.
- ii. Any Dispute shall be finally settled by arbitration in terms of the Arbitration and Conciliation Act, 1996 of India by a sole arbitrator, who shall be appointed with the mutual consent of both the Parties. In case the Parties are unable to agree as to the appointment of the sole arbitrator, the arbitrator shall be appointed in accordance with the procedure set out in the Arbitration Act. The venue of the arbitration shall be Bangalore. The language of the arbitration shall be English.

8. MODIFICATION OF MOU

Any amendment or modification of this MOU or additional obligations assumed by either Party in connection with this MOU will only be binding if evidenced in writing and signed by each Party or an authorized representative of each Party.

9. TITLES/HEADINGS

Headings are inserted for the convenience of the Parties only and are not to be considered when interpreting this MOU.

10. GOVERNING LAW

This MOU shall be governed by, and construed in accordance with the laws of India. Subject to the provisions of clause 7 (*Dispute Resolution*) above. The courts at Bangalore shall have exclusive jurisdiction in relation to all matters arising out of this MOU.

11. SEVERABILITY

In the event that any of the provisions of this MOU are held to be invalid or unenforceable in whole or in part, all other provisions will nevertheless continue to be valid and enforceable with the invalid or unenforceable parts severed from the remainder of this MOU.



IN WITNESS WHEREOF the Parties have duly affixed their signature under hand and seal
on this 22nd day of January, 2018

**TOYOTA KIRLOSKAR
MOTOR PVT LTD**



By (signature)

Rajendra HEGDE K V

**RAJENDRA HEGDE K V
General Manager – EA & CSR**

Bengaluru

SECOND PARTY



By (signature)

Dr. Krishnamurthy G N

**Dr. KRISHNAMURTHY G N
PRINCIPAL**

Banashankari II Stage
P.B No. 7057, 27th Cross, 12th Mile
Banashankari – II stage
Bangalore – 560 070

Bengaluru

Witness:

1. *Kiran*
2. *[Signature]*

Witness:

1. *Narayan R. Mane*
2. *T. S. J. Peril*

Annexure A	
(Assert list with Part Numbers)	
Part No	Part Name
312100K03000	COVER ASSY, CLUTCH
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331460401000	DEFLECTOR, EXTENSION HOUSING DUST
887110K15000	HOSE, DISCHARGE
887110K15100	HOSE, DISCHARGE
174010L06000	PIPE SUB-ASSY, EXHAUST, FR
Engine and Transmission	
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350107129000	TRANSMISSION ASSY, W/TORQUE CONVERTER
361007111100	TRANSFER ASSY